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# Benjamini, I., Kesten, H., Peres, Yu., and Schramm, O.

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## Beresnevich, V. and Velani, S.

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#### Bernstein, J. and Reznikov, A.

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#### Biane, P.

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## Birget, J.-C., Ol'shanskii, A. Yu., Rips, E., and Sapir, M. V.

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## Breuillard, E.

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#### Brownawell, W. D.

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#### Brubaker, B., Bump, D., and Friedberg, S.

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## Brubaker, B., Bump, D., Friedberg, S., and Hoffstein, J.

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Bugeaud, Y., Mignotte, M., and Siksek, S.

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Bump, D.

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See also: Brubaker, Bump, Friedberg, and Hoffstein.

Bunke, U. and Olbrich, M.

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## Burago, D., Ferleger, S., and Kononenko, A.

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#### Burchard, A.

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## Burdzy, K. and Werner, W.

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## Buzzard, G. T.

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## Caffarelli, L. A.

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## Caffarelli, L. A., Gutiérrez, C. E., and Huang, Q.

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#### Caffarelli, L. A., Jerison, D., and Kenig, C. E.

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### Caffarelli, L. A., Karp, L., and Shahgholian, H.

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#### Caffarelli L. A. and McCann, R. J.

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#### Caffarelli, L. A. and Silvestre, L.

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## Caffarelli, L. A. and Vasseur, A.

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## Calabri, A., Ciliberto, C., Flamini, F., and Miranda, R.

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## Calegari, F. and Emerton, M.

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#### Canary, R. D.

See: Anderson, Canary, and McCullough.

#### Cano, F.

Reduction of the singularities of codimension one singular foliations in dimension three, **160** (2004), 907–1011.

## Cantat, S.

Sur les groupes de transformations birationnelles des surfaces, **174** (2011), 299–340.

## Cao, C. and Titi, E. S.

Global well-posedness of the three-dimensional viscous primitive equations of large scale ocean and atmosphere dynamics, **166** (2007), 245–267.

#### Čap, A., Slovák, J., and Souček, V.

Bernstein-Gelfand-Gelfand sequences, 154 (2001), 97-113.

#### Carlen, E. A. and Gangbo, W.

Constrained deepest descent in the 2-Wasserstein metric, 157 (2003), 807–846.

#### Carlson, J. and Thévenaz, J.

The classification of torsion endo-trivial modules, 162 (2005), 823-883.

#### Casalaina-Martin, S.

Singularities of the Prym theta divisor, 170 (2009), 163-204.

#### Cass, T. and Friz, P.

Densities for rough differential equations under Hörmander's condition, 171 (2010), 2115–2141.

## Catanese, F.

Moduli spaces of surfaces and real structures, 158 (2003), 577-592.

#### Cecil, T. E., Chi, Q.-S., and Jensen, G. R.

Isoparametric hypersurfaces with four principal curvatures, 166 (2007), 1-76.

## Cerveau, D. and Lins Neto, A.

Irreducible components of the space of holomorphic foliations of degree two in  $\mathbf{C}P(n)$ ,  $n \geq 3$ , 143 (1996), 577–612.

## Chai, C.-L. and Oort, F.

Monodromy and irreducibility of leaves, 173 (2011), 1359–1396.

## Chai, C.-L. and Yu, J.-K. (with an Appendix by de Shalit, E.)

Congruences of Néron models for tori and the Artin conductor, 154 (2001), 347–382.

### Chang, M.-C.

The Erdős-Szemerédi problem on sum set and product set, 157 (2003), 939–957

## Chang, S.-Y. A., Gursky, M. J., and Yang, P. C.

An equation of Monge-Ampère type in conformal geometry, and four-manifolds of positive Ricci curvature, 155 (2002), 709–787.

## Charpentier, P.

See: Bruna, Charpentier, and Dupain.

## Chatterjee, S., Peled, R., Peres, Y., and Romik, D.

Gravitational allocation to Poisson points, 172 (2010), 617-671.

## Cheeger, J. and Colding, T. H.

Lower bounds on Ricci curvature and the almost rigidity of warped products, 144 (1996), 189–237.

#### Cheeger, J. and Kleiner, B.

Differentiating maps in  $L^1$ , and the geometry of BV functions, **171** (2010), 1347-1385.

#### Chemin, J.-Y., Gallagher, I., and Paicu, M.

Global regularity for some classes of large solutions to the Navier-Stokes equations, 173 (2011), 983–1012.

## Chen, G.-Q. and Feldman, M.

Global solutions of shock reflection by large-angle wedges for potential flow, 171 (2010), 1067–1182.

#### Chen, K.-C.

Existence and minimizing properties of retrograde orbits to the three-body problem with various choices of masses, 167 (2008), 325–348.

#### Chen, W. and Li, C.

A priori estimates for prescribing scalar curvature equations, 145 (1997), 547–564.

## Chenciner, A. and Montgomery, R.

A remarkable periodic solution of the three-body problem in the case of equal masses, **152** (2000), 881–901.

#### Chéritat, A.

See: Buffand Chéritat.

#### Chermak, A.

See: Aschbacher and Chermak.

#### Chern, S.-S. and Ji, S.

On the Riemann mapping theorem, 144 (1996), 421–439.

See also: Bao and Chern.

#### Chernov, N. I.

Markov approximations and decay of correlations for Anosov flows, 147 (1998), 269–324.

## Cheung, Y. (with an Appendix by Boshernitzan, M.)

Hausdorff dimension of the set of nonergodic directions, **158** (2003), 661–678.

Hausdorff dimension of the set of singular pairs, 173 (2011), 127-167.

## Chi, Q.-S.

See: Cecil, Chi, and Jensen.

## Chinburg, T., Erez, B., Pappas, G., and Taylor, M. J.

 $\varepsilon$ -constants and Galois structure of de Rham cohomology, **146** (1997), 411–473.

## Chinburg, T., Pappas, G., and Taylor, M. J.

Cubic structures, equivariant Euler characteristics and lattices of modular forms, 170 (2009), 561–608.

#### Chlebík, M., Cianchi, A., and Fusco, N.

The perimeter inequality for Stein symmetrization: Cases of equality, **162** (2005), 525–555.

#### Christ, M.

The Szegö projection need not preserve global analyticity, **143** (1996), 301–330.

#### Christ, M., Nagel, A., Stein, E. M., and Wainger, S.

Singular and maximal Radon transforms: Analysis and geometry, **150** (1999), 489–577.

#### Christensen, E., Pop, F., Sinclair, A. M., and Smith, R. R.

Hochschild cohomology of factors with property  $\Gamma$ , 158 (2003), 635–659.

#### Christodoulou, D.

The instability of naked singularities in the gravitational collapse of a scalar field, 149 (1999), 183–217.

#### Christol, G. and Mebkhout, Z.

Sur le théorème de l'indice des équations différentielles *p*-adiques II, **146** (1997), 345–410.

Sur le théorème d l'indice des équations différentielles p-adiques III, 151 (2000), 385–457.

## Chuang, J. and Rouquier, R.

Derived equivalences for symmetric groups and \$\mathbf{s}\mathbf{l}\_2\$-categorification, 167 (2008), 245–298.

# Chudnovsky, M., Robertson, N., Seymour, P., and Thomas, R.

The strong perfect graph theorem, 164 (2006), 51–229.

## Cianchi, A.

See: Chlebík, Cianchi, and Fusco.

## Ciliberto, C.

See: Calabri, Ciliberto, Flamini, and Miranda.

## Cilleruelo, J. and Sols, I.

The Severi bound on sections of rank two semisimple bundles on a Riemann surface, **154** (2001), 739–758.

## Claeys, T., Kuijlaars, A. B. J., and Vanlessen, M.

Multi-critical unitary random matrix ensembles and the general Painlevé II equation, 168 (2008), 601–641.

## Clozel, L.

Equivalence numérique et équivalence cohomologique pour les variétés abéliennes sur les corps finis, **150** (1999), 151–163.

## Clozel, L. and Ullmo, E.

Equidistribution de sous-variétés spéciales, 161 (2005), 1571-1588.

#### Cluckers, R. and Loeser, R.

Constructible exponential functions, motivic Fourier transform and transfer principle, 171 (2010), 1011–1065.

## Coates, T. and Givental, A.

Quantum Riemann-Roch, Lefschetz and Serre, 165 (2007), 15–53.

## Cochran, T. D., Orr, K. E., and Teichner, P.

Knot concordance, Whitney towers and  $L^2$ -signatures, 157 (2003), 433–519.

#### Cohn, H. and Elkies, N.

New upper bounds on sphere packings I, 157 (2003), 689-714.

#### Cohn, H. and Kumar, A.

Optimality and uniqueness of the Leech lattice among lattices, 170 (2009), 1003-1050.

## Colding, T. H.

Ricci curvature and volume convergence, 145 (1997), 477–501. See also: Cheeger and Colding.

## Colding, T. H. and Minicozzi, W. P., II

Harmonic functions on manifolds, 146 (1997), 725-747.

The space of embedded minimal surfaces of fixed genus in a 3-manifold; Estimates off the axis for disks, 160 (2004), 27–68.

The space of embedded minimal surfaces of fixed genus in a 3-manifold II; Multi-valued graphs in disks, **160** (2004), 69–92.

The space of embedded minimal surfaces of fixed genus in a 3-manifold III; Planar domains, **160** (2004), 523–572.

The space of embedded minimal surfaces of a fixed genus in a 3-manifold IV; Locally simply connected, **160** (2004), 573–615.

The Calabi-Yau conjectures for embedded surfaces, 267 (2008), 211-243.

## Colliander, J., Keel, M., Staffilani, G., Takaoka, H., and Tao, T.

Global well-posedness and scattering for the energy-critical nonlinear Schrödinger equation in  $\mathbb{R}^3$ , 167 (2008), 767–865.

#### Collin, P.

Topologie et courbure des surfaces minimales proprement plongées de  $\mathbb{R}^3$ , 145 (1997), 1–31.

## Collin, P., Hauswirth, L., and Rosenberg, H.

The geometry of finite topology Bryant surfaces, 153 (2001), 623-659.

#### Collin, P. and Rosenberg, H.

Construction of harmonic diffeomorphisms and minimal graphs,  ${\bf 172}$  (2010), 1879-1906.

## Colliot-Thélène, J.-L.

Rational connectedness and Galois covers of the projective line, 151 (2000), 359–373.

See also: Heath-Brown (with an Appendix by Colliot-Thélène).

#### Colmez, P.

Théorie d'Iwasawa des représentations de de Rham d'un corps local, 148 (1998), 485–571.

#### Coltoiu, M. and Diederich, K.

Open sets with Stein hypersurface sections in Stein spaces, 145 (1997), 175–182.

### Conlon, D.

A new upper bound for diagonal Ramsey numbers, 170 (2009), 941–960.

### Conrey, J. B. and Iwaniec, H.

The cubic moment of central values of automorphic L-functions, 151 (2000), 1175–1216.

#### Constantin, A. and Escher, J.

Analyticity of periodic traveling free surface water waves with vorticity, 173 (2011), 559–568.

# Constantin, P., Kiselev, A., Ryzhik, L., and Zlatoš, A.

Diffusion and mixing in fluid flow, 168 (2008), 643-674.

## Contreras, G.

Geodesic flows with positive topological entropy, twist maps and hyperbolicity, 172 (2010), 761–808.

See also: Bernard and Contreras.

## Córdoba, A., Córdoba, D., and Fontelos, M. A.

Formation of singularities for a transport equation with nonlocal velocity, **162** (2005), 1377–1389.

## Córdoba, A., Córdoba, D., and Gancedo, F.

Interface evolution: the Hele-Shaw and Muskat problems, 173 (2011), 477–542.

#### Córdoba, D.

Nonexistence for simple hyperbolic blow-up for the quasi-geostropic equation, 148 (1998), 1135–1152.

See also: Córdoba, Córdoba, and Fontelos.

See also: Córdoba, Córdoba, and Gancedo.

## Cornea, O.

See: Barraud and Cornea.

#### Corti, A.

Del Pezzo surfaces over Dedekind schemes, 144 (1996), 641-683.

## Cortiñas, G., Haesemeyer, C., Schlichting, M., and Weibel, C.

Cyclic homology, cdh-cohomology and negative K-theory, **167** (2008), 549–573.

## Corvaja, P. and Zannier, U.

On integral points on surfaces, 160 (2004), 705–726.

#### Costello, K.

Higher genus Gromov-Witten invariants as genus zero invariants of symmetric products, **164** (2006), 561–601.

#### Crainic, M. and Fernandes, R. L.

Integrability of Lie brackets, 157 (2003), 575-620.

A geometric approach to Conn's linearization theorem, 173 (2011), 1121–1139.

#### Croot, E. S., III

On a coloring conjecture about unit fractions, 157 (2003), 545–556.

#### Crovisier, S.

Birth of homoclinic intersections: a model for the central dynamics of partially hyperbolic systems, 172 (2010), 1641–1677.

#### Cucker, F.

See: Bürgisser and Cucker.

#### Dafermos, M.

Stability and instability of the Cauchy horizon for the spherically symmetric Einstein-Maxwell-scalar field equations, 158 (2003), 875–928.

#### Damanik, D., Killip, R., and Simon, B.

Perturbations of orthogonal polynomials with periodic recursion coefficients, 171 (2010), 1931–2010.

## Damjanović, D. and Katok, A.

Local rigidity of partially hyperbolic actions I. KAM method and  $\mathbb{Z}^k$  actions on the torus, **172** (2010), 1805–1858.

#### Darmon, H.

Modularity of fibres in rigid local systems, 149 (1999), 1079–1086.

Integration on  $\mathcal{H}_p \times \mathcal{H}$  and arithmetic applications, 154 (2001), 589–639.

See also: Bertolini and Darmon.

See also: Bertolini and Darmon (with an Appendix by B. Edixhoven).

See also: Dasgupta, Darmon, and Pollack.

## Darmon, H. and Dasgupta, S.

Elliptic units for real quadratic fields, 163 (2006), 301-345.

## Dasgupta, S.

See: Darmon and Dasgupta.

## Dasgupta, S., Darmon, H., and Pollack, R.

Hilbert modular forms and the Gross-Stark conjecture, 174 (2011), 439–484.

## Daubechies, I. and DeVore, R.

Approximating a bandlimited function using very coarsely quantized data: A family of stable sigma-delta modulators of arbitrary order, **158** (2003), 679–710.

#### DeBacker, S.

Parametrizing nilpotent orbits via Bruhat-Tits theory, **156** (2002), 295–332.

#### DeBacker, S. and Reeder, M.

Depth-zero supercuspidal L-packets and their stability, **169** (2009), 795–901.

## de Cataldo, M. A. A. and Migliorini, L.

The perverse filtration and the Lefschetz hyperplane theorem, 171 (2010), 2089–2113.

## Defant, A., Frerick, L., Ortega-Cerdà, J., Ounaïes, M., and Seip, K. The Bohnenblust-Hille inequality for homogeneous polynomials is hyper-

contractive, 174 (2011), 485-497.

## de Faria, E., de Melo, W., and Pinto, A.

Global hyperbolicity of renormalization for  $C^{\tau}$  unimodal mappings, **164** (2006), 731–824.

## Deift, P., Its, A., and Krasovsky, I.

Asymptotics of Toeplitz, Hankel, and Toeplitz+Hankel determinants with Fisher-Hartwig singularities, 174 (2011), 1243–1299.

## Deift, P. A., Its, A. R., and Zhou, X.

A Riemann-Hilbert approach to asymptotic problems arising in the theory of random matrix models, and also in the theory of integrable statistical mechanics, **146** (1997), 149–235.

## De Lellis, C. and Székelyhidi, L.

The Euler equations as a differential inclusion, 170 (2009), 1417–1436.

## Deligne, P.

See: Esnault (with an Appendix by Deligne and Esnault).

## Delorme, P.

Formule de Plancherel pour les espaces symétriques réductifs, 147 (1998), 417-452.

Sur le théorème de Paley-Wiener d'Arthur, 162 (2005), 987-1029.

## de Melo, W.

See: de Faria, de Melo, and Pinto.

#### del Pino, M., Kowalczyk, M., and Wei, J.

On De Giorgi's conjecture in dimension  $N \geq 9$ , 174 (2011), 1485–1569.

## Demailly, J.-P. and Paun, M.

Numerical characterization of the Kähler cone of a compact Kähler manifold, **159** (2004), 1247–1274.

## Dembo, A., Peres, Yu., Rosen, J., and Zeitouni, O.

Cover times for Brownian motion and random walks in two dimensions, **160** (2004), 433–464.

#### de Melo, W.

See: de Faria, de Melo, and Pinto.

#### Dencker, N.

The resolution of the Nirenberg-Treves conjecture, 163 (2006), 405-444.

#### den Hollander, F.

See: van den Berg, Bolthausen, and den Hollander.

#### Derridj, M.

See: Kohn (with an Appendix by Derridj and Tartakoff).

## de Shalit, E.

See: Chai and Yu (with an Appendix by de Shalit).

#### DeVore, R.

See: Daubechies and DeVore.

#### Diaconu, A. and Tian, Ye

Twisted Fermat curves over totally real fields, 162 (2005), 1353-1376.

#### Diamond, F.

On deformation rings and Hecke rings, 144 (1996), 137–166.

## Díaz, L. J.

See: Bonatti and Díaz.

See also: Bonatti, Díaz, and Pujals.

#### Diaz, R. and Robins, S.

The Ehrhart polynomial of a lattice polytope, 145 (1997), 503-518.

Erratum: The Ehrhart polynomial of a lattice polytope, 146 (1997), 237.

#### Dickinson, D.

See: Beresnevich, Dickinson, and Velani (with an Appendix by Vaughan).

#### Diederich, K.

See: Coltoiu and Diederich.

## Dimca, A. and Papadima, S.

Hypersurface complements, Milnor fibers and higher homotopy groups of arrangements, **158** (2003), 473–507.

#### Dinh, T.-C. and Sibony, N.

Une borne supérieure pour l'entropie topologique d'une application rationnelle, **161** (2005), 1637–1644.

## Dinur, I. and Safra, S.

On the hardness of approximating vertex cover, 162 (2005), 439–485.

#### Djadli, Z. and Malchiodi, A.

Existence of conformal metrics with constant Q-curvature, 168 (2008), 813–858.

#### Dobrowolski, E.

See: Borwein, Dobrowolski, and Mossinghoff.

#### Dokchitser, T. and Dokchitser, V.

On the Birch-Swinnerton-Dyer quotients modulo squares, **172** (2010), 567–596.

#### Dokchitser, V.

See: Dokchitser and Dokchister.

## Dolgachev, I. and Keum, J.

Finite groups of symplectic automorphisms of K3 surfaces in positive characteristic, 169 (2009), 269–313.

#### Dolgopyat, D.

On decay of correlations in Anosov flows, 147 (1998), 357–390.

#### Dostoglou, S. and Salamon, D. A.

Corrigendum: Self-dual instantons and holomorphic curves, **165** (2007), 665–673.

## Dranishnikov, A. N., Ferry, S. C., and Weinberger, S.

Large Riemannian manifolds which are flexible, 157 (2003), 919–938.

#### Dugger, D. and Isaksen, D. C.

The Hopf condition for bilinear forms over arbitrary fields, 165 (2007), 943–964.

## Duke, W., Imamoğlu, Ö., and Tóth, A.

Cycle integrals of the j-function and mock modular forms, **173** (2011), 947–981.

## Dupain, Y.

See: Bruna, Charpentier, and Dupain.

## du Sautoy, M. and Grunewald, F.

Analytic properties of zeta functions and subgroup growth, **152** (2000), 793–833.

## E, Weinan, Khanin, K., Mazel, A., and Sinai, Ya.

Invariant measure for Burgers equation with stochastic forcing, **151** (2000), 877–960.

#### Eastwood, M.

Higher symmetries of the Laplacian, 161 (2005), 1645–1665.

#### Ecker, K.

A local monotonicity formula for mean curvature flow, **154** (2001), 503–525.

#### Edixhoven, B.

See: Bertolini and Darmon (with an Appendix by Edixhoven).

## Edixhoven, B. and Yafaev, A.

Subvarieties of Shimura varieties, 157 (2003), 621-645.

See also: Bertolini and Darmon.

## Effros, E. G., Junge, M., and Ruan, Z.-J.

Integral mappings and the principle of local reflexivity for noncommutative  $L^1$ -spaces, 151 (2000), 59–92.

## Eiderman, V. Ya.

See: Anderson and Eiderman.

#### Einsiedler, M., Katok, A., and Lindenstrauss, E.

Invariant measure and the set of exceptions to Littlewood's conjecture, **164** (2006), 513–560.

## Einsiedler, M., Lindenstrauss, E., Michel, P., and Venkatesh, A.

Distribution of periodic torus orbits and Duke's theorem for cubic fields, 173 (2011), 815–885.

#### Ekedahl, T.

See: Björner and Ekedahl.

#### Ekholm, T., White, B., and Wienholtz, D.

Embeddedness of minimal surfaces with total boundary curvature at most  $4\pi$ , 155 (2002), 209–234.

#### Eliashberg, Y. and Polterovich, L.

Local Lagrangian 2-knots are trivial, 144 (1996), 61-76.

#### Elkies, N.

See: Cohn and Elkies.

#### Ellenberg, J.

Serre's conjecture over  $\mathbb{F}_9$ , **161** (2005), 1111–1142.

## Ellenberg, J. S. and Venkatesh, A.

The number of extensions of a number field with fixed degree and bounded discriminant, **163** (2006), 723–741.

## Eliasson, L. H. and Kuksin, S. B.

KAM for the nonlinear Schrödinger equation, 172 (2010), 371-435.

#### Elliott, G. A. and Gong, G.

On the classification of C\*-algebras of real rank zero, II, 144 (1996), 497–610.

#### Emerton, M.

See: Calegari and Emerton.

## Emerton, M. and Kisin, M.

Unit L-functions and a conjecture of Katz, 153 (2001), 329–354.

## Enright, T. J. and Willenbring, J. F.

Hilbert series, Howe duality and branching for classical groups, **159** (2004), 337–375.

#### Enriquez, B. and Halbout, G.

Quantization of coboundary Lie bialgebras, 171 (2010), 1267–1345.

## Epstein, C. L.

A relative index on the space of embeddable CR-structures, I, 147 (1998), 1–59.

A relative index on the space of embeddable CR-structures, II, 147 (1998), 61-91.

Erratum: A relative index on the space of embeddable CR-structures I, 154 (2001), 223–226.

Subelliptic Spin<sub>C</sub> Dirac operators, I, 166 (2007), 183-214.

Subelliptic  $\mathrm{Spin}_{\mathbb{C}}$  Dirac operators, II. Basic estimates,  $\mathbf{166}$  (2007), 723-777.

Subelliptic Spin $_{\mathbb{C}}$  Dirac operators, III. The Atiyah-Weinstein conjecture, **168** (2008), 299–365.

## Epstein, D. B. A., Marden, A., and Markovic, V.

Quasiconformal homeomorphisms and the convex hull boundary, **159** (2004), 305–336.

## Epstein, D. B. A. and Markovic, V.

The logarithmic spiral: a counterexample to the K=2 conjecture, 161 (2005), 925–957.

#### Erdélyi, T.

See: Borwein, Erdélyi, Ferguson, and Lockhart.

#### Erdős, L., Schlein, B., and Yau, H.-T.

Derivation of the Gross-Pitaevskii equation for the dynamics of Bose-Einstein condensate, 172 (2010), 291–370.

## Eremenko, A. and Gabrielov, A.

Rational functions with real critical points and the B. and M. Shapiro conjecture in real enumerative geometry, 155 (2002), 105–129.

See also: Bonk and Eremenko.

#### Erez, B.

See: Chinburg, Erez, Pappas, and Taylor.

#### Erschler, A.

Boundary behavior for groups of subexponential growth, 160 (2004), 1183–1210.

#### Escher, J.

See: Constantin and Escher.

## Eskin, A., Margulis, G., and Mozes, S.

Upper bounds and asymptotics in a quantitative version of the Oppenheim conjecture, 147 (1998), 93–141.

Quadratic forms of signature (2, 2) and eigenvalue spaces on rectangular 2-tori, **161** (2005), 679–725.

## Eskin, A., Mozes, S., and Shah, N.

Unipotent flows and counting lattice points on homogeneous varieties, 143 (1996), 253–299.

## Esnault, H. (with an Appendix by Deligne and Esnault).

Deligne's integrality theorem in unequal characteristic and rational points over finite fields, **164** (2006), 715–730.

See also: Bloch and Esnault.

## Etingof, P., Henriques, A., Kamnitzer, J., and Rains, E. M.

The cohomology ring of the real locus of the moduli space of stable curves of genus 0 with marked points, **171** (2010), 731–777.

#### Etingof, P., Nikshych, D., and Ostrik, V.

On fusion categories, 162 (2005), 581-642.

#### Etnyre, J. B. and Honda, K.

On the nonexistence of tight contact structures, **153** (2001), 749–766. Cabling and transverse simplicity, **162** (2005), 1305–1333.

## Evertse, J.-H., Schlickewei, H. P., and Schmidt, W. M.

Linear equations in variables which lie in a multiplicative group, 155 (2002), 807–836.

#### Faber, C. and Pandharipande, R.

Hodge integrals, partition matrices, and the  $\lambda_g$  conjecture, 157 (2003), 97–124.

#### Farah, I.

All automorphisms of the Calkin algebra are inner, 173 (2011), 619–661.

#### Farb, B. and Weinberger, S.

Isometries, rigidity and universal covers, 168 (2008), 915–940.

## Farber, M. and Weinberger, S.

On the zero-in-the-spectrum conjecture, 154 (2001), 139-154.

## Farrell, F. T. and Ontaneda, P.

The Teichmüller space of pinched negatively curved metrics on a hyperbolic manifold is not contractible, **170** (2009), 45–65.

#### Favre, C. and Jonsson, M.

Dynamical compactifications of  $\mathbb{C}^2$ , 173 (2011), 211–249.

## Fayad, B. and Khanin, K.

Smooth linearization of commuting circle diffeomorphisms, 170 (2009), 961-980.

## Fefferman, C.

Editor's note on the papers by Harvey-Lawson and by Luk-Yau, 151 (2000), 875.

 $C^m$  extension by linear operators, 166 (2007), 779–835.

Fitting a  $C^m$ -smooth function to data, III, 170 (2009), 427-441.

## Fefferman, C. L.

Erratum: Pointwise convergence of Fourier series, 146 (1997), 239.

A sharp form of Whitney's extension theorem, 161 (2005), 509-577.

Whitney's extension problem, 164 (2006), 313-359.

 $C^m$  extension by linear operators, 166 (2007), 781–837.

## Fefferman, C. L. and Klartag, B.

Fitting a  $C^m$ -smooth function to data, I, 169 (2011), 315–346.

## Feighn, M.

See: Bestvina, Feighn, and Handel.

#### Feighn, M. and Handel, M.

Mapping tori of free group automorphisms are coherent, 149 (1999), 1061–1077.

## Feldman, M.

See: Chen and Feldman.

## Felix, Y., Halperin, S., and Thomas, J.-C.

Exponential growth and an asymptotic formula for the ranks of homotopy groups of a finite 1-connected complex, **170** (2009), 443–464.

## Féray, V. and Śniady, P.

Asymptotics of characters of symmetric groups related to Stanley character formula, 173 (2011), 887–906.

## Ferguson, R.

See: Borwein, Erdélyi, Ferguson, and Lockhart.

### Ferleger, S.

See: Burago, Ferleger, and Kononenko.

### Fernandes, R. L.

See: Crainic and Fernandes.

## Fernández, M. and Muñoz, V.

An 8-dimensional nonformal, simply connected, symplectic manifold, 167 (2008), 1045–1054.

#### Ferry, S.

See: Bryant, Ferry, Mio, and Weinberger.

See also: Dranishnikov, Ferry, and Weinberger.

## Field, M., Melbourne, I., and Török, A.

Stability of mixing and rapid mixing for hyperbolic flows, **166** (2007), 269–291.

#### Finis, T.

Divisibility of anticyclotomic *L*-functions and theta functions with complex multiplication, **163** (2006), 767–807.

#### Finis, T. and Lapid, E.

On the spectral side of Arthur's trace formula — combinatorial setup, 174 (2011), 197–223.

## Finis, T., Lapid, E., and Müller, W.

On the spectral side of Arthur's trace formula — absolute convergence, **174** (2011), 173–195.

## Fintushel, R. and Stern, R. J.

The blowup formula for Donaldson invariants, 143 (1996), 529-546.

#### Fishel, S., Grojnowski, I., and Teleman, C.

The strong Macdonald conjecture and Hodge theory on the loop Grassmannian, 168 (2008), 175–220.

## Fisher, D. and Margulis, G.

Local rigidity of affine actions of higher rank groups and lattices, 170 (2009), 67–122.

#### Flamini, F.

See: Calabri, Ciliberto, Flamini, and Miranda.

#### Fomin, S. and Zelevinsky, A.

Y-systems and generalized associahedra, 158 (2003), 971–1018.

#### Fontelos, M. A.

See: Córdoba, Córdoba, and Fontelos.

#### Ford, K.

The number of solutions of  $\phi(x) = m$ , 150 (1999), 283–311.

The distribution of integers with a divisor in a given interval, 168 (2008), 367–433.

#### Foreman, M., Rudolph, D. J., and Weiss, B.

The conjugacy problem in ergodic theory, 173 (2011), 1529-1586.

#### Forni, G.

Solutions of the cohomological equation for area-preserving flows on compact surfaces of higher genus, **146** (1997), 295–344.

Deviation of ergodic averages for area-preserving flows on surfaces of higher genus, **155** (2002), 1–103.

See also: Avila and Forni.

## Forstnerič, F.

Runge approximation on convex sets implies the Oka property, **163** (2006), 689–707.

## Fouvry, É. and Klüners, J.

On the negative Pell equation, 172 (2010), 2035–2104.

## Fouvry, É. and Michel, Ph.

Sur le changement de signe des sommes de Kloosterman, **165** (2007), 675–715.

#### Fox. J.

A new proof of the graph removal lemma, 174 (2011), 581–579.

## Franjou, V., Friedlander, E. M., Scorichenko, A., and Suslin, A.

General linear and functor cohomology over finite fields, **150** (1999), 663–728.

#### Franks, J.

Erratum to Generalizations of the Poincaré-Birkhoff theorem, 164 (2006), 1097–1098.

#### Fraser, A. M.

Fundamental groups of manifolds with positive isotropic curvature, **158** (2003), 345–354.

#### Freed, D. S., Hopkins, M. J., and Teleman, C.

Loop groups and twisted K-theory III, 174 (2011), 947–1007.

#### Freedman, M. H.

Complexity classes as mathematical axioms, 170 (2009), 995–1002.

#### Frenkel, E. and Gaitsgory, D.

Localization of  $\mathfrak{g}$ -modules on the affine Grassmannian, 170 (2009), 1339–1381.

## Frenkel, E., Gaitsgory, D., and Vilonen, K.

Whittaker patterns in the geometry of moduli spaces on curves, **153** (2001), 699–748.

#### Frenkel, E. and Gross, B.

A rigid irregular connection on the projective line, 170 (2009), 1469–1512.

#### Frerick, L.

See: Defant, Frerick, Ortega-Cerdà, Ounaïes, and Seip.

#### Friedberg, S.

See: Brubaker, Bump, and Friedberg.

See also: Brubaker, Bump, Friedberg, and Hoffstein.

## Friedl, S. and Vidussi, S.

Twisted Alexander polynomials detect fibered 3-manifolds, 173 (2011), 1587–1643.

#### Friedlander, E. M.

See: Franjou, Friedlander, Scorichenko, and Suslin.

#### Friedlander, J. and Iwaniec, H.

The polynomial  $X^2 + Y^4$  captures its primes, 148 (1998), 945–1040. Asymptotic sieve for primes, 148 (1998), 1041-1065.

#### Friedman, H. M.

Finite functions and the necessary use of large cardinals, 148 (1998), 803–893.

#### Friz, P.

See: Cass and Friz.

## Frohardt, D. and Magaard, K.

Composition factors of monodromy groups, 154 (2001), 327–345.

#### Frohman, C. and Meeks, W. H., III

The topological classification of minimal surfaces in  $\mathbb{R}^3$ , 167 (2008), 681–700.

## Fu, J. H. G.

See: Bernig and Fu.

## Furman, A.

Gromov's measure equivalence and rigidity of higher rank lattices, 150 (1999), 1059–1081.

Orbit equivalence rigidity, 150 (1999), 1083-1108.

## Furusho, H.

Pentagon and hexagon equations, 171 (2010), 545-556.

Double shuffle relation for associators, 174 (2011), 341–360.

## Fusco, N., Maggi, F., and Pratelli, A.

The sharp quantitative isoperimetric inequality, 168 (2008), 941–980. See also: Chlebík, Cianchi, and Fusco.

## Gabai, D., Meyerhoff, G. R., and Thurston, N.

Homotopy hyperbolic 3-manifolds are hyperbolic, 157 (2003), 335-431.

#### Gabrielov, A.

See: Eremenko and Gabrielov.

## Gaitsgory, D.

On a vanishing conjecture appearing in the geometric Langlands correspondence, **160** (2004), 617–682.

See also: Frenkel and Gaitsgory.

See also: Frenkel, Gaitsgory, and Vilonen.

#### Galatius, S.

Stable homology of automorphism groups of free groups, **173** (2011), 705–768.

## Galicki, K.

See: Boyer, Galicki, and Kollár.

## Gallagher, I.

See: Chemin, Gallagher, and Paicu.

## Gallo, D., Kapovich, M., and Marden, A.

The monodromy groups of Schwarzian equations on closed Riemann surfaces, **151** (2000), 625–704.

#### Gamburd, A.

See: Bourgain and Gamburd.

#### Gan, W. T. and Takeda, S.

The local Langlands conjecture for GSp(4), **173** (2011), 1841–1882.

#### Gancedo, F.

See: Córdoba, Córdoba, and Gancedo.

## Gangbo, W.

See: Carlen and Gangbo.

## Gardiner, F. P. and Lakic, N.

Comparing Poincaré densities, 154 (2001), 245-267.

## Gardner, R. J., Koldobsky, A., and Schlumprecht, T.

An analytic solution to the Busemann-Petty problem on sections of convex bodies, 149 (1999), 691–703.

#### Ge, L.

Applications of free entropy to finite von Neumann algebras, II, 147 (1998), 143–157.

#### Gehring, F. W. and Martin, G. J.

Minimal co-volume hyperbolic lattices, I: The spherical points of a Kleinian group, **170** (2009), 123–161.

## Geisser, T.

Duality via cycle complexes, 172 (2010), 1095–1126.

#### Gelander, T.

See: Belolipetsky, Gelander, Lubotzky, and Shalev.

See also: Breuillard and Gelander.

#### Gelbart, S., Rogawski, J., and Soudry, D.

Endoscopy, theta-liftings and period integrals for the unitary group in three variables, 145 (1997), 419–476.

## Germinet, F., Klein, A., and Schenker, J. H.

Dynamical delocalization in random Landau Hamiltonians, 166 (2007), 215–244.

## Geronimo, J. S. and Woerdeman, H. J.

Positive extensions, Féjer-Riesz factorization and autoregressive filters in two variables, **160** (2004), 839–906.

## Gesztesy, F. and Simon, B.

A new approach to inverse spectral theory, II. General real potentials and the connection to the spectral measure, 152 (2000), 593–643.

## Getzler, E.

Lie theory for nilpotent  $L_{\infty}$ -algebras, 170 (2009), 271–301.

## Ghomi, M.

Shadows and convexity of surfaces, 155 (2002), 281–293.

#### Ghoussoub, N. and Gui, C.

On De Giorgi's conjecture in dimensions 4 and 5, 157 (2003), 313–334.

## Ginzburg, D., Rallis, S., and Soudry, D.

On explicit lifts of cusp forms from  $GL_m$  to classical groups, **150** (1999), 807–866.

## Ginzburg, V.

The Conley conjecture, 172 (2010), 1127-1180.

See also: Bezrukavnikov and Ginzburg.

## Ginzburg, V. L. and Gürel, Z.

A  $C^2$ -smooth counterexample to the Hamiltonian Seifert conjecture in  $\mathbb{R}^4$ , 158 (2003), 953–976.

#### Gitik, R.

Doubles of groups and hyperbolic LERF 3-manifolds, **150** (1999), 775–806.

#### Givental, A.

See: Coates and Givental.

#### Goerss, P., Henn, H.-W., Mahowald, M., and Rezk, C.

A resolution of the K(2)-local sphere at the prime 3, **162** (2005), 777–822.

#### Goette, S.

See: Bismut and Goette.

#### Goetze, E. R. and Spatzier, R. J.

Smooth classification of Cartan actions of higher rank semisimple Lie groups and their lattices, **150** (1999), 743–773.

#### Götze, F.

See: Bentkus and Götze.

#### Goldman, W. M.

Ergodic theory on moduli spaces, 146 (1997), 475–507.

## Goldman, W. M., Labourie, F., and Margulis, G.

Proper affine actions and geodesic flows of hyperbolic surfaces, **170** (2009), 1051–1083.

## Goldbring, I.

Hilbert's fifth problem for local groups, 172 (2010), 1269-1314.

## Goldstein, M.

See: Bourgain and Goldstein.

## Goldstein, M. and Schlag, W.

Hölder continuity of the integrated density of states for quasi-periodic Schrödinger equations and averages of shifts of subharmonic functions, **154** (2001), 155–203.

On resonances and the formation of gaps in the spectrum of quasi-periodic Schrödinger equations, 173 (2011), 337–475.

## Goldston, D. A., Pintz, J., and Yıldırım, C. Y.

Primes in tuples I, 170 (2009), 819–862.

#### Gómez, T. and Sols, I.

Moduli space of principal sheaves over projective varieties, **161** (2005), 1037–1092.

## Gompf, R. E.

Handlebody construction of Stein surfaces, 148 (1998), 619-693.

#### Gong, G.

See: Elliott and Gong.

#### Goodman-Strauss, S.

Matching rules and substitution tilings, 147 (1998), 181–223.

#### Gordeev, N. L. and Popov, V. L.

Automorphism groups of finite dimensional simple algebras, 158 (2003), 1041–1065.

#### Gourevitch, D.

See: Aizenbud, Gourevitch, Rallis, and Schiffmann.

#### Gowers, W. T.

An infinite Ramsey theorem and some Banach-space dichotomies, **156** (2002), 797–833.

Hypergraph regularity and the multidimensional Szemerédi theorem, **166** (2007), 897–946.

# Graczyk, J., Sands, D., and Świątek, G.

Metric attractors for smooth unimodal maps,  $\mathbf{159}$  (2004), 725-740.

Decay of geometry of unimodal maps: negative Schwarzian case, 161 (2005), 613–677.

## Graczyk, J. and Światek, G.

Generic hyperbolicity in the logistic family, 146 (1997), 1–52.

#### Grafakos, L. and Li, X.

Uniform bounds for the bilinear Hilbert transforms, I, **159** (2004), 889–933.

## Granville, A. and Soundararajan, K.

The spectrum of multiplicative functions, 153 (2001), 407–470.

An uncertainty principle for arithmetic sequences, 165 (2007), 593-635.

#### Green, B.

Roth's theorem in the primes, 161 (2005), 1609-1636.

## Green, B. and Sanders, T.

A quantitative version of the idempotent theorem in harmonic analysis, 168 (2008), 1025–1054.

## Green, B. and Tao, T.

The primes contain arbitrarily long arithmetic progressions, 167 (2008), 481-547

Linear equations in primes, 171 (2010), 1753-1850.

## Greenlees, J. P. C. and May, J. P.

Localization and completion theorems for *MU*-module spectra, **146** (1997), 509–544.

## Grinberg, E. L. and Rubin, B.

Radon inversion on Grassmannians via Gårding-Gindikin fractional integrals, **159** (2004), 783–817.

## Grodal, J.

Higher limits via subgroup complexes, 155 (2002), 405-457.

See also: Andersen, Grodal Møller, and Viruel.

## Grojnowski, I.

See: Fishel, Grojnowski, and Teleman.

#### Gross, B.

See: Frenkel and Gross.

#### Gross, M. and Siebert, B.

From real affine geometry to complex geometry, 174 (2011), 1301–1428.

#### Grove, K. and Ziller, W.

Curvature and symmetry of Milnor spheres, 152 (2000), 331-367.

#### Grunewald, F.

See: Bridson and Grunewald.

See also: du Sautoy and Grunewald.

#### Gualtieri, M.

Generalized complex geometry, 174 (2011), 75-123.

#### Guan, B. and Guan, P.

Convex hypersurfaces of prescribed curvature, 156 (2002), 655–674.

Corrigendum: Convex hypersurfaces of prescribed curvature, **158** (2003), 1099.

#### Guan. P.

The extremal function associated to intrinsic norms, **156** (2002), 197–211. See also: Guan and Guan.

## Guedj, V.

Ergodic properties of rational mappings with large topological degree, **161** (2005), 1589–1607.

#### Gui, C.

See: Ghoussoub and Gui.

## Guillopé, L. and Zworski, M.

Scattering asymptotics for Riemann surfaces, 145 (1997), 597-660.

## Guionnet, A., Krishnapur, M., and Zeitouni, O.

The single ring theorem, 174 (2011), 1189-1217.

## Guralnick, R. M., Rosenberg, J., and Zieve, M. E.

A new family of exceptional polynomials in characteristic two, **172** (2010), 1361–1390.

## Guralnick, R. M. and Tiep, P. H.

First cohomology groups of Chevalley groups in cross characteristic, **174** (2011), 543–559.

## Guralnick, R. M. and Zieve, M. E.

Polynomials with PSL(2) monodromy, 172 (2010), 1315-1359.

## Gürel, B. Z.

See: Ginzburg and Gürel.

## Gurevich, S. and Hadani, R.

Proof of the Kurlberg-Rudnick rate conjecture, 174 (2011), 1-54.

#### Gursky, M. J.

The Weyl functional, de Rham cohomology and Kähler-Einstein metrics, 148 (1998), 315–337.

See also: Chang, Gursky, and Yang.

#### Gursky, M. J. and Viaclovsky, J. A.

Prescribing symmetric functions of the eigenvalues of the Ricci tensor, **166** (2007), 475–531.

#### Guth, L.

Volumes of balls in large Riemannian manifolds, 173 (2011), 51–76.

#### Gutiérrez, G. E.

See: Caffarelli, Gutiérrez, and Huang.

#### Haagerup, U. and Thorbjørnsen, S.

A new application of random matrices:  $\text{Ext}(C_{\text{red}}^*(F_2))$  is not a group, **162** (2005), 711–775.

#### Hadani, R.

See: Gurevich and Hadani.

## Hadani, R. and Singer, A.

Representation theoretic patterns in three dimensional Cryo-Electronic Microscopy I: The intrinsic reconstitution algorithm, **174** (2011), 1219–1241.

## Haesemeyer, C.

See: Cortiñas, Haesemeyer, Schlichting, and Weibel.

#### Hairer, M. and Mattingly, J. C.

Ergodicity of the 2D Navier-Stokes equations with degenerate stochastic forcing, **164** (2006), 993–1032.

#### Halbout, G.

See: Enriquez and Halbout.

#### Hales, T. C.

A proof of the Kepler Conjecture, 162 (2005), 1065-1185.

#### Hall, J. I.

Periodic simple groups of finitary linear transformations, **163** (2006), 445–498.

## Halperin, S.

See: Felix, Halperin, and Thomas.

## Hambleton, I. and Pedersen, E. K.

Topological equivalence of linear representations for cyclic groups: I, 161 (2005), 61–104.

## Hambly, G. and Lyons, T.

Uniqueness for the signature of a path of bounded variation and the reduced path group, 171 (2010), 109–167.

#### Hamel, F., Nadirashvili, N., and Russ, E.

Rearrangement inequalities and applications to isoperimetric problems for eigenvalues, **174** (2011), 647–755.

#### Handel, M.

See: Bestvina, Feighn, and Handel.

See also: Feighn and Handel.

## Harris, M., Shepherd-Barron, N., and Taylor, R.

A family of Calabi-Yau varieties and potential automorphy, 171 (2010), 779–813.

## Hart, B., Hrushovski, E., and Laskowski, M. C.

The uncountable spectra of countable theories, 152 (2000), 207-257.

#### Hartl, U.

Period spaces for Hodge structures in equal characteristic, 173 (2011), 1241–1358.

#### Harvey, F. R. and Lawson, H. B., Jr.

Finite volume flows and Morse theory, 153 (2001), 1–25.

## Hass, J. and Schlafly, R.

Double bubbles minimize, 151 (2000), 459–515.

#### Hassell, A. (with an Appendix by Hassell, A. and Hillairet, L.)

Ergodic billiards that are not quantum unique ergodic, 171 (2010), 605–618.

#### Hassell, A. and Wunsch, J.

The Schrödinger propagator for scattering metrics, 162 (2005), 487-523.

### Hauswirth, L.

See: Collin, Hauswirth, and Rosenberg.

### Hayashi, S.

Connecting invariant manifolds and the solution of the  $C^1$  stability and  $\Omega$ -stability conjectures for flows, 145 (1997), 81–137.

Correction to Connecting invariant manifolds and the solution of the  $C^1$  stability and the  $\Omega$ -stability conjectures for flows, **150** (1999), 353–356.

## Haydon, R., Odell, E., and Schlumprecht, T.

Small subspaces of  $L_p$ , 173 (2011), 169–209.

## He, Z.-X.

Rigidity of infinite disk patterns, 149 (1999), 1-33.

## Heath-Brown, D. R. (with an Appendix by Colliot-Thélène, J.-L.)

The density of rational points on curves and surfaces, 155 (2002), 553–598.

## Heckman, G. J. and Opdam, E. M.

Yang's system of particles and Hecke algebras, 145 (1997), 139-173.

Erratum: Yang's system of particles and Hecke algebras, 146 (1997), 749–750.

#### Hedenmalm, H. and Montes-Rodríguez, A.

Heisenberg uniqueness pairs and the Klein-Gordon equation, 173 (2011), 1507–1527.

#### Heicklen, D. and Hoffman, C.

Rational maps are d-adic Bernoulli, 156 (2002), 103-114.

#### Heintze, E. and Liu, X.

Homogeneity of infinite dimensional isoparametric submanifolds, **149** (1999), 149–181.

#### Heitmann, R. C.

The direct summand conjecture in dimension three, 156 (2002), 695–712.

#### Helfgott, H. A.

Growth and generation in  $SL_2(\mathbb{Z}/p\mathbb{Z})$ , 167 (2008), 601–623.

#### Helton, J. W.

"Positive" noncommutative polynomials are sums of squares, **156** (2002), 675–694.

## Hénaut, A.

On planar web geometry through abelian relations and connections, **159** (2004), 425–445.

#### Henn, H.-W.

See: Goerss, Henn, Mahowald, and Rezk.

# Henniart, G.

See: Kim and Shahidi (with an Appendix by Bushnell and Henniart).

### Henriques, A.

See: Etingof, Henriques, Kamnitzer, and Rains.

# Herscovich, E. and Solotar, A.

Representations of Yang-Mills algebras, 173 (2011), 1043-1080.

# Hertweck, M.

A counterexample to the isomorphism problem for integral group rings, 154 (2001), 115–138.

### Hesselholt, L. and Madsen, I.

On the K-theory of local fields, 158 (2003), 1–113.

# Hiary, G.

An nearly-optimal method to compute the truncated theta function, its derivatives, and integrals, 174 (2011), 859–889.

Fast methods to compute the Riemann zeta function, 174 (2011), 891–946.

### Hida, H.

The Iwasawa  $\mu$ -invariant of p-adic Hecke L-functions, 172 (2010), 41–137.

#### Hillairet, L.

See: Hassell (with an Appendix by Hassell and Hillairet).

### Hingston, N.

Subharmonic solutions of Hamiltonian equations on tori, 170 (2009), 529–560.

### Hilsum, M.

Structures riemanniennes  $L^p$  et K-homologie, 149 (1999), 1007–1022.

### Hirachi, K.

Construction of boundary invariants and the logarithmic singularity of the Bergman kernel, 151 (2000), 151–191.

Logarithmic singularity of the Szegö kernel and a global invariant of strictly pseudoconvex domains, 163 (2006), 499–515.

# Hochman, M. and Meyerovitch, T.

A characterization of the entropies of multidimensional shifts of finite type, 171 (2010), 2011–2038.

### Hodgson, C. D. and Kerckhoff, S. P.

Universal bounds for hyperbolic Dehn surgery, 162 (2005), 367–421.

# Hofer, H., Wysocki, K., and Zehnder, E.

The dynamics on three-dimensional strictly convex energy surfaces, 148 (1998), 197–289.

Finite energy foliations of tight three-spheres and Hamiltonian dynamics, **157** (2003), 125–255.

Hoffman, C.

See: Heicklen and Hoffman.

Hoffman, C. and Rudolph, D.

Uniform endomorphisms which are isomorphic to a Bernoulli shift, **156** (2002), 79–101.

Hoffman, D.

See: Weber, Hoffman, and Wolf.

Hofmann, S.

See: Auscher, Hofmann, Lacey, McIntosh, and Tchamitchian.

Hoffmann, S., Lacey, M., and McIntosh, A.

The solution of the Kato problem for divergence form elliptic operators with Gaussian heat kernel bounds, **156** (2002), 623–631.

Hofmann, S. and Lewis, J. L.

 $L^2$  solvability and representation by caloric layer potentials in time-varying domains, **144** (1996), 349–420.

Hoffmann, T.

See: Bobenko, Hoffmann, and Springborn.

Hoffmann, W.

On the differential equations satisfied by weighted orbital integrals, 154 (2001), 759–802.

Hoffstein, J.

See: Brubaker, Bump, Friedberg, and Hoffstein.

Holowinsky, R.

Sieving for mass equidistribution, 172 (2010), 1499–1516.

Holowinsky, R. and Soundararajan, K.

Mass equidistribution for Hecke eigenforms, 172 (2010), 1517–1528.

Honda, K.

See: Etnyre and Honda.

Hopkins, M. J.

See: Freed, Hopkins, and Teleman.

Hopkins, M. J. and Smith, J. H.

Nilpotence and stable homotopy theory II, 148 (1998), 1-49.

Horváth, M.

Inverse spectral problems and closed exponential systems, **162** (2005), 885–918.

Host, B. and Kra, B.

Nonconventional ergodic averages and nilmanifolds, 161 (2005), 397–488.

Howie, J.

See: Bridson, Howie, Miller, and Short.

Hrushovski, E.

See: Hart, Hrushovski, and Laskowski.

# Huang, J.-S.

Invariant differential operators and eigenspace representations on an affine symmetric space, **154** (2001), 703–737.

# Huang, Q.

See: Caffarelli, Gutiérrez, and Huang.

# Hughes, B.

The approximate tubular neighborhood theorem, 156 (2002), 867–889.

### Hughes, D. J. D.

Proofs without syntax, 164 (2006), 1065–1076.

#### Hunt, B. R.

See: Kaloshin and Hunt.

# Hutchings, M., Morgan, F., Ritoré, M., and Ros, A.

Proof of the Double Bubble Conjecture, 155 (2002), 459-489.

# Ikeda, T.

On the lifting of elliptic cusp forms to Siegel cusp forms of degree 2n, 154 (2001), 641–681.

# Imamoğlu, Ö.

See: Duke, Imamoglu, and Tóth.

# Imbrie, J. Z.

See: Brydges and Imbrie.

# Immervoll, S.

On the classification of isoparametric hypersurfaces with four distinct principal curvatures in spheres, 168 (2008), 1011–1024.

### Ionel, E.-N. and Parker, T.-H.

Relative Gromov-Witten invariants, 157 (2003), 45-96.

The symplectic sum formula for Gromov-Witten invariants, **159** (2004), 935–1025.

# Ionescu, A. D.

An endpoint estimate for the Kunze-Stein phenomenon and related maximal operators, **152** (2000), 259–275.

See also: Bejenaru, Ionescu, Kenig, and Tataru.

#### Iozzi, A.

See: Burger, Iozzi, and Wienhard.

### Isaacs, I. M. and Navarro, G.

New refinements of the McKay conjecture for arbitrary finite groups, 156 (2002), 333–344.

### Isaksen, D. C.

See: Dugger and Isaksen.

#### Its, A. R.

See: Bleher and Its.

See also: Deift, Its, and Krasovsky.

See also: Deift, Its, and Zhou.

Ivanov, S.

See: Burago and Ivanov.

Ivashkovich, S.

Extension properties of meromorphic mappings with values in non-Kähler complex manifolds, **160** (2004), 795–837.

Iwaniec, H.

See: Conrey and Iwaniec.

See also: Friedlander and Iwaniec.

Iyengar, S. B.

See: Benson, Iyengar, and Krause.

Izhboldin, O. T.

Fields of *u*-invariant 9, **154** (2001), 529–587.

Izzo, A.

Uniform approximation on manifolds, 174 (2011), 55-73.

Jacquet, H.

Kloosterman identities over a quadratic extension, 160 (2004), 755-779.

Jaikin-Zapirain, A. and Pyber, L.

Random generation of finite and profinite groups and group enumeration, 173 (2011), 769–814.

Jakobson, D.

Quantum limits on flat tori, 145 (1997), 235-266.

Jannsen, U.

See: Saito and Sato (with an Appendix by Jannsen).

Jeffrey, L. C. and Kirwan, F. C.

Intersection theory on moduli spaces of holomorphic bundles of arbitrary rank on a Riemann surface, 148 (1998), 109–196.

Jensen, G. R.

See: Cecil, Chi, and Jensen.

Jerison, D.

See: Caffarelli, Jerison, and Kenig.

Ji, S.

See: Chern and Ji.

Jiang, D. and Soudry, D.

The local converse theorem for SO(2n+1) and applications, **157** (2003), 743–806.

Jitomirskaya, S. Ya.

Metal-insulator transition for the almost Mathieu operator, **150** (1999), 1159–1175.

See also: Avila and Jitomirskaya.

### Johansson, K.

On random matrices from the compact classical groups, 145 (1997), 519–545.

Discrete orthogonal polynomial ensembles and the Plancherel measure, 153 (2001), 259–296.

### Johnson, W. B. and Odell, E.

The diameter of the isomorphism class of a Banach space, **162** (2005), 423–437.

### Jonsson, M.

See: Favre and Jonsson.

# Jorgenson, J. and Kramer, J.

Bounds on Faltings's delta function through covers, 170 (2009), 1-43.

### Junge, M.

See: Effros, Junge, and Ruan.

### Jurdjevic, V.

Integrable Hamiltonian systems on Lie groups: Kowalewski type, **150** (1999), 605–644.

# Kaczorowski, J. and Perelli, A.

On the structure of the Selberg class, VII: 1 < d < 2, **173** (2011), 1397–1441.

# Kahn, J.

See: Avila, Kahn, Lyubich, and Shen.

# Kahn, J. and Lyubich, M.

The Quasi-Additivity Law in conformal geometry, **169** (2009), 561–593. Local connectivity of Julia sets for unicritical polynomials, **170** (2009), 413–426.

### Kaimanovich, V. A.

The Poisson formula for groups with hyperbolic properties, **152** (2000), 659–692.

### Kalinin, B.

Livšic Theorem for matrix cocycles, 173 (2011), 1025–1042.

### Kalinin, B., Katok, A., and Rodriguez Hertz, F.

Nonuniform measure rigidity, 174 (2011), 361-400.

# Kaloshin, V. Yu.

An extension of the Artin-Mazur theorem, 150 (1999), 729-741.

### Kaloshin, V. Yu. and Hunt, B. R.

Stretched exponential estimates on growth of the number of periodic points for prevalent diffeomorphisms I, 165 (2007), 89–170.

#### Kamnitzer, J.

Mirković-Vilonen cycles and polytopes, 171 (2010), 245–294.

See also: Etingof, Henriques, Kamnitzer, and Rains.

Kapovich, M.

See: Gallo, Kapovich, and Marden.

Kapovitch, V., Petrunin, A., and Tuschmann, W.

Nilpotency, almost nonnegative curvature, and the gradient flow on Alexandrov spaces, **171** (2010), 343–373.

Karp, L.

See: Caffarelli, Karp, and Shahgholian.

Kashiwabara, T.

On Brown-Peterson cohomology of QX, 153 (2001), 297–328.

Kasparov, G. and Skandalis, G.

Groups acting properly on "bolic" spaces and the Novikov conjecture, **158** (2003), 165–206.

Kato, K. and Saito, T.

Ramification theory for varieties over a perfect field, 168 (2008), 33-96.

Katok, A.

See: Einsiedler, Katok, and Lindenstrauss.

See also: Damjanović and Katok.

See also: Kalinin, Katok, and Rodriguez Hertz.

Katz, N. H.,-Laba, I., and Tao, T.

An improved bound on the Minkowski dimension of Besicovitch sets in  $\mathbb{R}^3$ , **152** (2000), 383–446.

Katzarkov, L.

See: Auroux, Katzarkov, and Orlov.

Kawahigashi, Y. and Longo, R.

Classification of local conformal nets. Case c < 1, 160 (2004), 493–522.

Kayal, N.

See: Agrawal, Kayal, and Saxena.

Kazhdan, D.

See: Braverman and Kazhdan.

Kedlaya, K. S.

A p-adic local monodromy theorem, 160 (2004), 93–184.

Keel, S.

Basepoint freeness for nef and big line bundles in positive characteristic, 149 (1999), 253–286.

See also: Colliander, Keel, Staffilani, Takaoka, and Tao.

Keel, S. and Mori, S.

Quotients by groupoids, 145 (1997), 193–213.

Keith, S. and Zhong, X.

The Poincaré inequality is an open ended condition, 167 (2008), 575–599.

Keller, G.

See: Bruin, Keller, Nowicki, and van Strien.

#### Kelmer, D.

Arithmetic quantum unique ergodicity for symplectic linear maps of the multidimensional torus, 171 (2010), 815–879.

# Kenig, C.

See: Bejenaru, Ionescu, Kenig, and Tataru.

See also: Caffarelli, Jerison, and Kenig.

# Kenig, C. E., Sjöstrand, J., and Uhlmann, G.

The Calderón problem with partial data, 165 (2007), 567–591.

# Kenig, C. E. and Toro, T.

Free boundary regularity for harmonic measures and Poisson kernels, 150 (1999), 359–454.

# Kenyon, R., Okounkov, A., and Sheffield, S.

Dimers and amoebae, 163 (2006), 1019-1056.

# Kerckhoff, S.

See: Hodgson and Kerckhoff.

# Kesten, H.

See: Benjamini, Kesten, Peres, and Schramm.

### Kesten, H. and Sidoravicius, V.

A shape theorem for the spread of an infection, 167 (2008), 701–766.

### Keum, J.

See: Dolgachev and Keum.

# Khanin, K.

See: Fayad and Khanin.

See also: Weinan E, Khanin, Mazel, and Sinai.

### Khare, C. and Wintenberger, J.-P.

On Serre's conjecture for 2-dimensional mod p representations of  $Gal(\overline{\mathbb{Q}}/\mathbb{Q})$ , **169** (2009), 229–253.

#### Kida, Y.

Measure equivalence rigidity of the mapping class group, 171 (2010), 1851–1901.

#### Killip, R.

See: Damanik, Killip, and Simon.

#### Killip, R. and Simon, B.

Sum rules for Jacobi matrices and their applications to spectral theory, **158** (2003), 253–321.

Sum rules and spectral measures of Schrödinger operators with  $L^2$  potentials, 170 (2009), 739–782.

### Kim, B.

Quantum cohomology of flag manifolds G/B and quantum Toda lattices, **149** (1999), 129–148.

# Kim, H. H. and Shahidi, F.

Symmetric cube L-functions for  $GL_2$  are entire, 150 (1999), 645–662.

# Kim, H. H. and Shahidi, F. (with an Appendix by Bushnell, C. J. and Henniart, G.)

Functorial products for  $GL_2 \times GL_3$  and the symmetric cube for  $GL_2$ , **155** (2002), 837–893.

# Kim, K. H. and Roush, F. W.

The Williams Conjecture is false for irreducible subshifts, **149** (1999), 545–558.

### Kim, M.

p-adic L-functions and Selmer varieties associated to elliptic curves with complex multiplication, 172 (2010), 751–759.

### Kirwan, F. C.

See: Jeffrey and Kirwan.

# Kiselev, A.

See: Constantin, Kiselev, Ryzhik, and Zlatoš.

#### Kisin, M.

Moduli of finite flat group schemes, and modularity, 170 (2009), 1085–1180.

See also: Emerton and Kisin.

# Klainerman, S. and Rodnianski, I.

Rough solutions of the Einstein-vacuum equations, **161** (2005), 1143–1193

The causal structure of microlocalized rough Einstein metrics, **161** (2005), 1195–1243.

# Klartag, B.

5n Minkowski symmetrizations suffice to arrive at an approximate Euclidean ball, **156** (2002), 947–960.

Fitting a  $C^m$ -smooth function to data, I, 169 (2009), 315–346.

See also: Fefferman and Klartag.

#### Klein, A.

See: Germinet, Klein, and Schenker.

# Klein, A., Lenoble, O., and Müller, P.

On Mott's formula for the ac-conductivity in the Anderson model, **166** (2007), 549–577.

# Kleinbock, D. Y. and Margulis, G. A.

Flows on homogeneous spaces and Diophantine approximation on manifolds, 148 (1998), 339–360.

#### Kleiner, B.

See: Cheeger and Kleiner.

### Klüners, J.

See: Fouvry and Klüners.

# Knieper, G.

The uniqueness of the measure of maximal entropy for geodesic flows on rank 1 manifolds, 148 (1998), 291–314.

### Knutson, A. and Miller, E.

Gröbner geometry of Schubert polynomials, 161 (2005), 1245–1318.

# Kobayashi, T.

Discrete decomposability of the restriction of  $A_q(\lambda)$  with respect to reductive subgroups II: Micro-local analysis and asymptotic K-support, 147 (1998), 709–729.

### Kohn, J. J.

Superlogarithmic estimates on pseudoconvex domains and CR manifolds, 156 (2002), 213–248.

Kohn, J. J. (with an Appendix by Derridj, M. and Tartakoff, D. S.) Hypoellipticity and loss of derivatives, 162 (2005), 943–986.

### Koldobsky, A.

See: Gardner, Koldobsky, and Schlumprecht.

### Kollár, J.

Quotient spaces modulo algebraic groups, 145 (1997), 33-79.

Rationally connected varieties over local fields, 150 (1999), 357–367.

Non-quasi-projective moduli spaces, 164 (2006), 1077-1096.

See also: Boyer, Galicki, and Kollár.

#### Kononenko, A.

See: Burago, Ferleger, and Kononenko.

#### Körner, T. W.

Divergence of decreasing rearranged Fourier series, 144 (1996), 167–180.

#### Kovács, S. J. and Lieblich, M.

Erratum for Boundedness of families of canonically polarized manifolds: A higher dimensional analogue of Shafarevich's conjecture, **173**, **no. 1** (2011), 585–617. (Note: An incorrect version of this article was printed in **172**, **no. 3** (2010). The version of record is **173**, **no. 1** (2011), 585–617.)

### Kowalczyk, M.

See: del Pino, Kowalczyk, and Wei.

#### Kowalsky, N.

Noncompact simple automorphism groups of Lorentz manifolds and other geometric manifolds, **144** (1996), 611–640.

### Kozlov, D. N.

See: Babson and Kozlov.

### Kozlovski, O. S.

Getting rid of the negative Schwarzian derivative condition, **152** (2000), 743–762.

Axiom A maps are dense in the space of unimodal maps in the  $C^k$  topology, 157 (2003), 1–43.

# Kozlovski, O., Shen, W., and van Strien, S.

Rigidity for real polynomials, 165 (2007), 749-841.

Density of hyperbolicity in dimension one, 166 (2007), 145–182.

# Kozma, G. and Olevskii, A.

Analytic representation of functions and a new quasi-analyticity threshold, 164 (2006), 1033–1064.

# Kra, B.

See: Host and Kra.

# Kramer, J.

See: Jorgenson and Kramer.

# Krammer, D.

Braid groups are linear, 155 (2002), 131-156.

# Krasovsky, I.

See: Deift, Its, and Krasovsky.

# Krause, H.

See: Benson, Iyengar, and Krause.

### Kreck, M.

Surgery and duality, 149 (1999), 707-754.

### Krichever, I.

Characterizing Jacobians via trisecants of the Kummer variety, **172** (2010), 485–516.

# Krikorian, R.

Global density of reducible quasi-periodic cocycles on  $\mathbf{T}^1 \times \mathrm{SU}(2)$ , 154 (2001), 269–326.

See also: Avila and Krikorian.

### Krishna, A. and Srinivas, V.

Zero-cycles and K-theory on normal surfaces, 156 (2002), 155–195.

### Krishnapur, M.

See: Guionnet, Krishnapur, and Zeitouni.

#### Krötz, B. and Stanton, R. J.

Holomorphic extensions of representations: (I) automorphic functions, **159** (2004), 641–724.

# Kronheimer, P., Mrowka, T., Ozsváth, P., and Szabó, Z.

Monopoles and lens space surgeries, 165 (2007), 457–546.

### Krushkal, V. S.

A counterexample to the strong version of Freedman's conjecture, 168 (2008), 675–693.

### Kudla, S. S.

Central derivatives of Eisenstein series and height pairings, 146 (1997), 545–646.

# Kuijlaars, A. B. J.

See: Claeys, Kuijlaars, and Vanlessen.

#### Kuksin, S. B.

See: Eliasson and Kuksin.

# Kuksin, S. and Pöschel, J.

Invariant Cantor manifolds of quasi-periodic oscillations for a nonlinear Schrödinger equation, 143 (1996), 149–179.

#### Kumar, A.

See: Cohn and Kumar.

# Kumar, S. and Littelmann, P.

Algebraization of Frobenius splitting via quantum groups, 155 (2002), 491–551.

### Kuperberg, G.

Symmetry classes of alternating-sign matrices under one roof, **156** (2002), 835–866.

### Kurdyka, K., Mostowski, T., and Parusiński, A.

Proof of the gradient conjecture of R. Thom, 152 (2000), 763–792.

# Kuperberg, G. and Kuperberg, K.

Generalized counterexamples to the Seifert conjecture, 143 (1996), 547–576.

Reprint (due to printing errors): Generalized counterexamples to the Seifert conjecture, 144 (1996), 239–268.

# Kuperberg, K.

See: Kuperberg and Kuperberg.

# Kurlberg, P. and Rudnick, Z.

On the distribution of matrix elements for the quantum cat map, 161 (2005), 489–507.

# Kuwert, E. and Schätzle, R.

Removability of point singularities of Willmore surfaces, **160** (2004), 315–357.

### Laba, I.

See: Katz, Laba, and Tao.

# Labourie, F.

Random k-surfaces, **161** (2005), 105–140.

See also: Goldman, Labourie, and Margulis.

# Lacey, M.

See: Auscher, Hofmann, Lacey, McIntosh, and Tchamitchian.

See also: Hofmann, Lacey, and McIntosh.

# Lacey, M. T.

The bilinear maximal functions map into  $L^p$  for 2/3 ,**151**(2000), 35–57.

# Lacey, M. and Thiele, C.

 $L^p$  estimates on the bilinear Hilbert transform for 2 ,**146**(1997), 693–724.

On Calderón's conjecture, 149 (1999), 475-496.

### Lakic, N.

See: Gardiner and Lakic.

### Langer, A.

Semistable sheaves in positive characteristic, 159 (2004), 251–276.

Addendum to Semistable sheaves in positive characteristic, **160** (2004), 1211–1213.

# Lapid, E.

See: Finis and Lapid.

See also: Finis, Lapid, and Müller.

# Lapid, E. and Rallis, S.

On the nonnegativity of  $L(\frac{1}{2}, \pi)$  for  $SO_{(2n+1)}$ , **157** (2003), 891–917.

# Larsen, M., Shalev, A., and Tiep, P. H.

The Waring problem for finite simple groups, 174 (2011), 1885–1950.

# Laskowski, M. C.

See: Hart, Hrushovski, and Laskowski.

# Laumon, G. and Ngô, B. C.

Le lemme fondamental pour les groupes unitaires, 168 (2008), 477-573.

# Lauret, J.

Einstein solvmanifolds are standard, 172 (2010), 1859–1877.

#### Lauter, R.

See: Ammann, Lauter, and Nistor.

### Lawson, H. B., Jr.

See: Harvey and Lawson.

### Laza, R.

The moduli space of cubic fourfolds via the period map, 172 (2010), 673–711.

### Le Calvez, P. and Yoccoz, J.-C.

Un théorème d'indice pour les homéomorphismes du plan au voisinage d'un point fixe, **146** (1997), 241–293.

### Lee, Y.-P., Lin, H.-W., and Wang, C.-L.

Flops, motives, and invariance of quantum rings, 172 (2010), 243–290.

# Leeb, B.

See: Boileau, Leeb, and Porti.

### Léger, J. C.

Menger curvature and rectifiability, 149 (1999), 831–869.

# Leibman, A.

See: Bergelson and Leibman.

# Lenoble, O.

See: Klein, Lenoble, and Müller.

### Le Roux, F.

Un indice qui affine l'indice de Poincaré-Lefschetz pour les homeomorphismes de surfaces, **171** (2010), 1531–1589.

# Lev, N. and Olevskii, A.

Wiener's 'closure of translates' problem and Piatetski-Shapiro's uniqueness phenomenon, **174** (2011), 519–541.

# Levin, A.

Generalizations of Siegel's and Picard's theorems, 170 (2009), 609-655.

# Levin, G. and van Strien, S.

Local connectivity of the Julia set of real polynomials, 147 (1998), 471–541.

# Lewis, J. and Nyström, K.

Boundary behavior and the Martin boundary problem for p harmonic functions in Lipschitz domains, 172 (2010), 1907–1948.

# Lewis, J. and Zagier, D.

Period functions for Mass wave forms. I, 153 (2001), 191–258.

### Lewis, J. L.

See: Hofmann and Lewis.

# Li. C.

See: Chen and Li.

### Li, P. and Wang, Jiaping

Counting dimensions of L-harmonic functions, 152 (2000), 645–648.

#### Li, Xiaochun

See: Grafakos and Li.

### Li, Xiaoqing

Bounds for  $GL(3) \times GL(2)$  L-functions and GL(3) L-functions, **173** (2011), 301–336.

# Libgober, A.

See: Borisov and Libgober.

### Lichtenbaum, S.

The Weil-étale topology for number rings, 170 (2009), 657-683.

# Lieb, E. H., Seiringer, R., and Yngvason, J.

Poincaré inequalities in punctured domains, 158 (2003), 1067–1080.

# Liebeck, M. W. and Shalev, A.

Classical groups, probabilistic methods, and the (2,3)-generation problem, 144 (1996), 77–125.

Diameters of finite simple groups: sharp bounds and applications, **154** (2001), 383–406.

# Lieblich, M.

See: Kovács and Lieblich.

# Lin, C.-S. and Wang, C.-L.

Elliptic functions, Green functions and the mean field equations on tori, **172** (2010), 911–954.

# Lin, F.-H.

Gradient estimates and blow-up analysis for stationary harmonic maps, 149 (1999), 785–829.

### Lin, H.

Classification of simple  $C^*$ -algebras and higher dimensional noncommutative tori, 157 (2003), 521–544.

# Lin, H.-W.

See: Lee, Lin, and Wang.

# Lindblad, H.

Well-posedness for the motion of an incompressible liquid with free surface boundary, **162** (2005), 109–194.

# Lindblad, H. and Rodnianski, I.

The global stability of Minkowski space-time in harmonic gauge, 171 (2010), 1401–1477.

### Lindenstrauss, E.

Invariant measures and arithmetic unique ergodicity, 163 (2006), 165–219.

See also: Einsiedler, Katok, and Lindenstrauss.

See also: Einsiedler, Lindenstrauss, Michel, and Venkatesh.

# Lindenstauss, E., Meiri, D., and Peres, Yu.

Entropy of convolutions on the circle, 149 (1999), 871–904.

# Lindenstrauss, J. and Preiss, D.

On Fréchet differentiability of Lipschitz maps between Banach spaces, **157** (2003), 257–288.

# Linial, N.

See: Bartal, Linial, Mendel, and Naor.

#### Lins Neto, A.

See: Cerveau and Lins Neto.

### Littelmann, P.

See: Kumar and Littelmann.

Liu, X.

See: Heintze and Liu.

Liverani, C.

On contact Anosov flows, 159 (2004), 1275-1312.

Lockhart, R.

See: Borwein, Erdélyi, Ferguson, and Lockhart.

Loeser, F.

See: Cluckers and Loeser.

Long, D. D.

See: Agol, Long, and Reid.

Long, Y. and Zhu, C.

Closed characteristics on compact convex hypersurfaces in  $\mathbb{R}^{2n}$ , 155 (2002), 317–368.

Longo, R.

See: Kawahigashi and Longo.

Loray, F.

A preparation theorem for codimension-one foliations, **163** (2006), 709–722.

Losert, V.

The derivation problem for group algebras, 168 (2008), 221-246.

Lott, J. and Villani, C.

Ricci curvature for metric-measure spaces via optimal transport, 169 (2009), 903–991.

Lubinsky, D. S.

Rogers-Ramanujan and Baker-Gammel-Wills (Padé) conjecture, **157** (2003), 847–889.

A new approach to universality limits involving orthogonal polynomials, 170 (2009), 915–939.

Lubotzky, A.

Eigenvalues of the Laplacian, the first Betti number and the congruence subgroup problem, 144 (1996), 441–452.

See also: Bass and Lubotzky.

See also: Belolipetsky, Gelander, Lubotzky, and Shalev.

Ludwig, M. and Reitzner, M.

A classification of SL(n) invariant valuations, 172 (2010), 1219–1267.

Luk, H. S. and Yau, S. S.-T.

Counterexample to boundary regularity of a strongly pseudoconvex CR submanifold: An addendum to the paper of Harvey-Lawson, 148 (1998), 1153–1554.

Luo, W.

Nonvanishing of L-values and the Weyl law, 154 (2001), 477–502.

# Lyons, T.

See: Hambly and Lyons.

# Lyubich, M.

Feigenbaum-Coullet-Tresser universality and Milnor's Hairiness Conjecture, 149 (1999), 319–420.

Almost every real quadratic map is either regular or stochastic, **156** (2002), 1–78.

See also: Avila, Kahn, Lyubich, and Shen.

See also: Kahn and Lyubich.

### Madsen, I.

See: Hesselholt and Madsen.

# Madsen, I. and Weiss, M.

The stable moduli space of Riemann surfaces: Mumford's conjecture, **165** (2007), 843–941.

# Magaard, K.

See: Frohardt and Magaard.

# Maggi, F.

See: Fusco, Maggi, and Pratelli.

# Magnanini, R. and Sakaguchi, S.

Matzoh ball soup: Heat conductors with a stationary isothermic surface, **156** (2002), 931–946.

# Magyar, A., Stein, E. M., and Wainger, S.

Discrete analogues in harmonic analysis: Spherical averages, 155 (2002), 189–208.

### Mahowald, M.

See: Goerss, Henn, Mahowald, and Rezk.

### Maillot, M. and Roessler, D.

On the periods of motives with complex multiplication and a conjecture of Gross-Deligne, **160** (2004), 727–754.

# Malchiodi, A.

See: Djadli and Malchiodi.

# Manolescu, C., Ozsváth, P., and Sarkar, S.

A combinatorial description of knot Floer homology, 169 (2009), 633-660.

# Marden, A.

See: Epstein, Marden, and Markovic.

See also: Gallo, Kapovich, and Marden.

#### Margulis, G.

See: Eskin, Margulis, and Mozes.

See also: Fisher and Margulis.

See also: Goldman, Labourie, and Margulis.

See also: Kleinbock and Margulis.

### Marklof, J.

Pair correlation densities of inhomogeneous quadratic forms, 158 (2003), 419–471.

# Marklof, J. and Strömbergsson, A.

The distribution of free path lengths in the periodic Lorentz gas and related lattice point problems, 172 (2010), 1949–2033.

The Boltzmann-Grad limit of the periodic Lorentz gas, 174 (2011), 225–298.

### Markovic, V.

See: Epstein, Marden, and Markovic.

See also: Epstein and Markovic.

# Martel, Y. and Merle, F.

Stability of blow-up profile and lower bounds for blow-up rate for the critical generalized KdV equation, 155 (2002), 235–280.

Description of two soliton collision for the quartic gKdV equation, 174 (2011), 757–857.

### Martens, M.

The periodic points of renormalization, 147 (1998), 543-584.

# Martin, G. J.

See: Gehring and Martin.

# Mateu, J., Orobitg, J., and Verdera, J.

Estimates for the maximal singular integral in terms of the singular integral: the case of even kernels, **174** (2011), 1429–1483.

### Mattila, P., Melnikov, M. S., and Verdera, J.

The Cauchy integral, analytic capacity, and uniform rectifiability, 144 (1996), 127–136.

# Mattingly, J. C.

See: Hairer and Mattingly.

#### Maucourant, G.

A nonhomogeneous orbit closure of a diagonal subgroup, 171 (2010), 557–570.

### Mauduit, C. and Rivat, J.

Sur un problème de Gelfond: la somme des chiffres des nombres premiers, **171** (2010), 1591–1646.

#### Mauldin, R. D.

See: Buczolich and Mauldin.

### May, J. P.

See: Greenlees and May.

### Mazel, A.

See: Weinan E, Khanin, Mazel, and Sinai.

### Mazur, B. and Rubin, K.

Finding large Selmer rank via an arithmetic theory of local constants, **166** (2007), 579–612.

### Maz'ya, V. and Shubin, M.

Discreteness of spectrum and positivity criteria for Schrödinger operators, **162** (2005), 919–942.

# McCann, R. J.

See: Caffarelli and McCann.

# McCarthy, J. E.

See: Agler and McCarthy.

# McCullough, D.

See: Anderson, Canary, and McCullough.

### McIntosh, A.

See: Auscher, Hofmann, Lacey, McIntosh, and Tchamitchian. See also: Hofmann, Lacey, and McIntosh.

# McMullen, C. T.

The moduli space of Riemann surfaces is Kähler hyperbolic, **151** (2000), 327–357.

Dynamics of  $SL_2(\mathbb{R})$  over moduli space in genus two, **165** (2007), 397–456.

# Mebkhout, Z.

See: Christol and Mebkhout.

#### Meeks, W. H., III and Rosenberg, H.

The uniqueness of the helicoid, 161 (2005), 727-758.

See also: Frohman and Meeks.

### Meersseman, L. and Verjovsky, A.

A smooth foliation of the 5-sphere by complex surfaces, **156** (2002), 915–930.

Corrigendum to A smooth foliation of the 5-sphere by complex surfaces, **174** (2011), 1951–1952.

# Mehta, V. B. and Ramadas, T. R.

Moduli of vector bundles, Frobenius splitting, and invariant theory, **144** (1996), 269–313.

#### Meiri, D.

See: Lindenstrauss, Meiri, and Peres.

### Melas, A. D.

The best constant for the centered Hardy-Littlewood maximal inequality, **157** (2003), 647–688.

### Melbourne, I.

See: Field, Melbourne, and Török.

### Melnikov, M. S.

See: Mattila, Melnikov, and Verdera.

### Mendel, M.

See: Bartal, Linial, Mendel, and Naor.

# Mendel, M. and Naor, A.

Metric cotype, 168 (2008), 247-298.

# Merkulov, S. and Schwachhöfer, L.

Classification of irreducible holonomies of torsion-free affine connections, **150** (1999), 77–149.

Addendum: Classification of irreducible holonomies of torsion-free affine connections, **150** (1999), 1177–1179.

### Merle, F.

See: Martel and Merle.

# Merle, F. and Raphael, P.

The blow-up dynamic and upper bound on the blow-up rate for critical nonlinear Schrödinger equation, 161 (2005), 157–222.

# Meyerhoff, G. R.

See: Gabai, Meyerhoff, and Thurston.

# Meyerovitch, T.

See: Hochman and Meyerovitch.

# Michel, Ph.

The subconvexity problem for Rankin-Selberg L-functions and equidistribution of Heegner points, **160** (2004), 185–236.

See also: Einsiedler, Lindenstrauss, Michel, and Venkatesh.

See also: Fouvry and Michel.

# Migliorini, L.

See: de Cataldo and Milgiorini.

#### Mignotte, M.

See: Bugeaud, Mignotte, and Siksek.

#### Mikhalkin, G.

Real algebraic curves, the moment map and amoebas, 151 (2000), 309–326.

# Miller, C. F.

See: Bridson, Howie, Miller, and Short.

### Miller, E.

See: Knutson and Miller.

### Miller, S. D. and Schmid, W.

Automorphic distributions, *L*-functions, and Voronoi summation for GL(3), **164** (2006), 423–488.

# Milman, P. D.

See: Bierstone and Milman.

See also: Bierstone, Milman, and Pawłucki.

# Milman, V.

See: Artstein, Milman, and Szarek.

See also: Artstein-Avidan and Milman.

### Milne, J. S.

Polarizations and Grothendieck's standard conjectures, **155** (2002), 599–610.

# Mináč, J. and Spira, M.

Witt rings and Galois groups, 144 (1996), 35-60.

# Minicozzi, W. P., II

See: Colding and Minicozzi.

# Minsky, Y. N.

The classification of punctured-torus groups, 149 (1999), 559-626.

The classification of Kleinian surface groups, I: models and bounds, 171 (2010), 1–107.

See also: Behrstock and Minsky.

#### Mio, W.

See: Bryant, Ferry, Mio, and Weinberger.

# Miranda, R.

See: Calabri, Ciliberto, Flamini, and Miranda.

### Mirković, I.

See: Bezrukavnikov, Mirković, and Rumynin (with an Appendix by Bezrukavnikov and Riche).

# Mirković, I. and Vilonen, K.

Geometric Langlands duality and representations of algebraic groups over commutative groups, **166** (2007), 95–143.

#### Mirzakhani, M.

Growth of the number of simple closed geodesics on hyperbolic surfaces, **168** (2008), 97–125.

### Miyamoto, M.

A new construction of the moonshine vertex operator algebra over the real number field, **159** (2004), 535–596.

# Mæglin, C.

Normalisation des opérateurs d'entrelacement et réductibilité des induites des cuspidales; le cas des groupes classiques p-adiques, 151 (2000), 817–847.

#### Mohnke, K.

Holomorphic disks and the Chord Conjecture, 154 (2001), 219–222.

#### Møller, J.

See: Anderson, Grodal, Møller, and Viruel.

## Möller, M.

See: Bouw and Möller.

# Monod, N., and Shalom, Y.

Orbit equivalence rigidity and bounded cohomology, 164 (2006), 825-878.

### Monsky, P.

See: Brenner and Monsky.

# Montes-Rodríguez, A.

See: Hedenmalm and Montes-Rodríguez.

# Montgomery, R.

See: Chenciner and Montgomery.

### Moore, J. T.

A five element basis for the uncountable linear orders, 163 (2006), 669–688.

# Morales, C. A., Pacifico, M. J., and Pujals, E. R.

Robust transitive singular sets for 3-flows are partially hyperbolic attractors or repellers, **160** (2004), 375–432.

### Moreira, C. G.

See: Avila and Moreira.

# Moreira, C. G. and Yoccoz, J.-C.

Stable intersections of regular Cantor sets with large Hausdorff dimensions, **154** (2001), 45–96.

Corrigendum: Stable intersections of regular Cantor sets with large Hausdorff dimensions, 154 (2001), 527.

#### Morgan, F.

See: Hutchings, Morgan, Ritoré, and Ros.

### Mori, S.

See: Keel and Mori.

# Mosher, L., Sageev, M., and Whyte, K.

Quasi-actions on trees I. Bounded valence, 158 (2003), 115-164.

# Mossel, E., O'Donnell, R., and Oleszkiewicz, K.

Noise stability of functions with low influences: Invariance and optimality, **171** (2010), 295–341.

# Mostowski, T.

See: Kurdyka, Mostowski, and Parusiński.

### Mossinghoff, M. J.

See: Borwein, Dobrowolski, and Mossinghoff.

#### Mrowka, T.

See: Kronheimer, Mrowka, Ozsváth, and Szábo.

#### Mozes, S.

See: Eskin, Margulis, and Mozes.

See also: Eskin, Mozes, and Shah.

#### Mukai, S.

Curves and symmetric spaces, II, 172 (2010), 1539-1558.

# Mukhin, E., Tarasov, V., and Varchenko, A.

The B. and M. Shapiro conjecture in real algebraic geometry and the Bethe ansatz, 170 (2009), 863–881.

### Müller, D. and Ricci, F.

Solvability for a class of doubly characteristic differential operators on 2-step nilpotent groups, 143 (1996), 1–49.

### Müller, P.

See: Klein, Lenoble, and Müller.

# Müller, S. and Šverák, V.

Convex integration for Lipschitz mappings and counterexamples to regularity, **157** (2003), 715–742.

# Müller, W.

Weyl's law for the cuspidal spectrum of  $\mathrm{SL}_n,\ \mathbf{165}$  (2007), 275–333.

See also: Finis, Lapid, and Müller.

### Muñoz, V.

See: Fernández, and Muñoz.

# Musin, O. R.

The kissing number in four dimension, 168 (2008), 1-32.

# Nachman, A. I.

Global uniqueness for a two-dimensional inverse boundary value problem, 143 (1996), 71–96.

# Nadirashvili, N.

See: Hamel, Nadirashvili, and Russ.

#### Nagel, A.

See: Christ, Nagel, Stein, and Wainger.

### Nagel, A. and Stein, E. M.

The  $\overline{\partial}_b$ -complex on decoupled boundaries in  $\mathbb{C}^n$ , 164 (2006), 649–713.

#### Nair, A.

Weighted cohomology of arithmetic groups, 150 (1999), 1–31.

### Nakajima, H.

Heisenberg algebra and Hilbert schemes of points on projective surfaces, 145 (1997), 379–388.

Quiver varieties and t-analogs of q-characters of quantum affine algebras, **160** (2004), 1057–1097.

#### Naor, A.

See: Achlioptas and Naor.

See also: Bartal, Linial, Mendel, and Naor.

See also: Mendel and Naor.

#### Navarro, G.

The McKay conjecture and Galois automorphisms, 160 (2004), 1129–1140.

See also: Isaacs and Navarro.

Nave, L. S.

The Smith-Toda complex V((p+1)/2) does not exist, **171** (2010), 491–509.

Neeman, A.

Some adjoints in homotopy categories, 171 (2010), 2143-2155.

Némethi, A. and Steenbrink, J.

Extending Hodge bundles for abelian variations, 143 (1996), 131-148.

Neumann, W. D. and Reeves, L.

Central extensions of word hyperbolic groups, 145 (1997), 183-192.

Neves. A.

See: Bray and Neves.

Nevo, A. and Stein, E. M.

Analogs of Wiener's ergodic theorems for semisimple groups I, 145 (1997), 565–595.

Nevo, A. and Zimmer, R. J.

A structure theorem for actions of semisimple Lie groups, **156** (2002), 565–594.

Ngô, B.

See: Laumon and Ngô.

Nguyen, H.-M.

See: Brezis and Nguyen.

Nikolov, N. and Segal, D.

On finitely generated profinite groups, I: strong completeness and uniform bounds, **165** (2007), 171–238.

On finitely generated profinite groups, II: products in quasisimple groups, **165** (2007), 239-273.

Nikshych, D.

See: Etingof, Nikshych, and Ostrik.

Nistor, V.

See: Ammann, Lauter, and Nistor.

Nowicki, T.

See: Bruin, Keller, Nowicki, and van Strien.

Nyström, K.

See: Lewis and Nyström.

Odell, E.

See: Haydon, Odell, and Schlumprecht.

See also: Johnson and Odell.

O'Donnell, R.

See: Mossel, O'Donnell, and Oleszkiewicz.

### Okikiolu, K.

Critical metrics for the determinant of the Laplacian in odd dimensions, **153** (2001), 471–531.

# Okounkov, A.

See: Kenyon, Okounkov, and Sheffield.

# Okounkov, A. and Pandharipande, R.

Gromov-Witten theory, Hurwitz theory, and completed cycles,  ${\bf 163}$  (2006),  ${\bf 517}{-}560$ .

The equivariant Gromov-Witten theory of  $\mathbf{P}^1$ , 163 (2006), 561–605.

### Olbrich, M.

See: Bunke and Ulbrich.

# Oleszkiewicz, K.

See: Mossel, O'Donnell, and Oleszkiewicz.

# Olevskiĭ, A.

See: Kozma and Olevskii.

See also: Lev and Olevskii.

### Olmos, C.

A geometric proof of the Berger Holonomy Theorem, **161** (2005), 579–588.

### Olshanski, G.

See: Borodin and Olshanski.

# Ol'shanskii, A. Yu.

See: Birget, Ol'shanskii, Rips, and Sapir.

#### Ono, K.

Distribution of the partition function modulo m, 151 (2000), 293–307.

See also: Bringmann and Ono.

See also: Bruinier and Ono.

# Ono, K. and Skinner, C.

Fourier coefficients of half-integral weight modular forms modulo  $\ell$ , 147 (1998), 453–470.

Corrigendum: Fourier coefficients of half-integral weight modular forms modulo  $\ell$ , 148 (1998), 361.

### Ontaneda, P.

See: Farrell and Ontaneda.

# Oort, F.

Newton polygons and formal groups: Conjectures by Manin and Grothendieck, **152** (2000), 183–206.

Minimal p-divisible groups, 161 (2005), 1021–1036.

See also: Chai and Oort.

### Opdam, E. M.

See: Heckman and Opdam.

2017

Orlandi, G.

See: Bethuel, Orlandi, and Smets.

Orlov, D.

See: Auroux, Katzarkov, and Orlov.

Orlov, D., Vishik, A., and Voevodsky, V.

An exact sequence for  $K_*^M/2$  with applications to quadratic forms, 165 (2007), 1–13.

Orobitg, J.

See: Mateu, Orobitg, and Verdera.

Orr, K. E.

See: Cochran, Orr, and Teichner.

Ortega-Cerdà, J.

See: Defant, Frerick, Ortega-Cerdà, Ounaïes, and Seip.

Ortega-Cerdà, J. and Seip, K.

Fourier frames, 155 (2002), 789-806.

Osin, D.

Small cancellations over relatively hyperbolic groups and embedding theorems, 172 (2010), 1–39.

Ostrik, V.

See: Etingof, Nikshych, and Ostrik.

Otal, J.-P.

See: Bonahon and Otal.

Ounaïes, M.

See: Defant, Frerick, Ortega-Cerdà, Ounaïes, and Seip.

Oversteegen, L. G. and Tymchatyn, E. D.

Extending isotopies of planar continua, 172 (2010), 2105-2133.

Ozawa, N. and Popa, S.

On a class of  $II_1$  factors with at most one Cartan subalgebra, 172 (2010), 713–749.

Ozsváth, P.

See: Kronheimer, Mrowka, Ozsváth, and Szábo.

See also: Manolescu, Ozsváth, and Sarkar.

Ozsváth, P. and Szabó, Z.

The symplectic Thom conjecture, 151 (2000), 93-124.

Holmorphic disks and topological invariants for closed three-manifolds, **159** (2004), 1027–1158.

Holomorphic disks and three-manifold invariants: Properties and applications, **159** (2004), 1159–1245.

Pacard, F.

See: Arezzo and Pacard.

# Pacifico, M. J.

Corrigendum: Infinite-modal maps with global chaotic behavior, 140 (1999), 705.

On the dynamics of dominated splitting, 169 (2009), 675-740.

See also: Morales, Pacifico, and Pujals.

# Pacifico, M. J., Rovella, A., and Viana, M.

Infinite-modal maps with global chaotic behavior, 148 (1998), 441-484.

### Paicu, M.

See: Chemin, Gallagher, and Paicu.

### Päivärinta, L.

See: Astala and Päivärinta, L.

### Palmieri, J. H.

Quillen stratification for the Steenrod algebra, 149 (1999), 421-449.

# Pandharipande, R.

See: Faber and Pandharipande.

See also: Okounkov and Pandharipande.

# Papadima, S.

See: Dimca and Papadima.

# Papanikolas, M. A.

See: Anderson, Brownawell, and Papanikolas.

#### Papasoglu, P.

Quasi-isometry invariance of group splittings, 161 (2005), 759–830.

#### Pappas, G.

See: Chinburg, Erez, Pappas, and Taylor.

See also: Chinburg, Pappas, and Taylor.

#### Paran, E.

Split embedding problems over complete domains, 170 (2009), 899–914.

#### Pardon, J.

On the distortion of knots on embedded surfaces, 174 (2011), 637-646.

### Parent, P.

See: Bilu and Parent.

#### Parimala, R.

See: Bayer-Fluckiger and Parimala.

# Parimala, R. and Suresh, V.

The u-invariant of the function fields of p-adic curves, 172 (2010), 1391–1405.

### Parker, T. H.

See: Ionel and Parker.

### Parusiński, A.

See: Kurdyka, Mostowski, and Parusiński.

Pata, V.

See: Bercovici and Pata.

Paun, M.

See: Demailly and Paun.

Pawłucki, W.

See: Bierstone, Milman, and Pawłucki.

Pearlstein, G. J.

See: Brosnan and Pearlstein.

Pedersen, E. K.

See: Hambleton and Pedersen.

Peled, R.

See: Chatterjee, Peled, Peres, and Romik.

Penney, R.

van den Ban-Schlichtkrull-Wallach asymptotic expansions on nonsymmetric domains, **158** (2003), 711–768.

Perelli, A.

See: Kaczorowski and Perelli.

Peres, Yu.

See: Benjamini, Kesten, Peres, and Schramm.

See also: Chatterjee, Peled, Peres, and Romik.

See also: Dembo, Peres, Rosen, and Zeitouni.

See also: Lindenstrauss, Meiri, and Peres.

Pérez-Marco, R.

Convergence or generic divergence of the Birkhoff normal form, 157 (2003), 557–574.

Pesin, Ya.

See: Barreira, Pesin, and Schmeling.

Pestov, L. and Uhlmann, G.

Two dimensional compact simple Riemannian manifolds are boundary distance rigid, **161** (2005), 1093–1110.

Petersen, C. L. and Zakeri, S.

On the Julia set of a typical quadratic polynomial with a Siegel disk, **159** (2004), 1–52.

Petrunin, A.

See: Kapovitch, Petrunin, and Tuschmann.

Pflaum, M.

See: Brasselet and Pflaum.

Phong, D. H. and Sturm, J.

Algebraic estimates, stability of local zeta functions, and uniform estimates for distribution functions, 152 (2000), 277–329.

# Phuc, N. C. and Verbitsky, I. E.

Quasilinear and Hessian equations of Lane-Emden type, 168 (2008), 859–914.

### Pila, J.

O-minimality and the André-Oort conjecture for  $\mathbb{C}^n$ , 173 (2011), 1779–1840.

# Pinto, A.

See: de Faria, de Melo, and Pinto.

# Pintz, J.

See: Goldston, Pintz, and Yıldırım.

### Pollack, R.

See: Dasgupta, Darmon, and Pollack.

# Pollack, R. and Rubin, K.

The main conjecture for CM elliptic curves at supersingular primes, **159** (2004), 447–464.

# Pollington, A.

See: Badziahin, Pollington, and Velani.

# Polterovich, L.

See: Eliashberg and Polterovich.

# Poonen, B.

Bertini theorems over finite fields, 160 (2004), 1099-1127.

Insufficiency of the Brauer-Manin obstruction applied to étale covers, **171** (2010), 2157–2169.

### Poonen, B. and Stoll, M.

The Cassels-Tate pairing on polarized abelian varieties, **150** (1999), 1109–1149.

Bertini theorems over finite fields, 160 (2004), 1099-1127.

#### Poonen, B. and Voloch, J. F.

The Brauer-Manin obstruction for subvarieties of abelian varieties over function fields, 171 (2010), 511–532.

### Pop, Florian

Embedding problems over large fields, 144 (1996), 1-34.

Henselian implies large, 172 (2010), 2183-2195.

# Pop, Florin

See: Christensen, Pop, Sinclair, and Smith.

#### Popa, S.

On a class of type  $II_1$  factors with Betti numbers invariants, **163** (2006), 809-899.

See also: Ozawa and Popa.

### Popov, V. L.

See: Gordeev and Popov.

#### Porti, J.

See: Boileau, Leeb, and Porti.

### Pöschel, J.

See: Kuksin and Pöschel.

# Prasanna, K.

Integrality of a ratio of Petersson norms and level-lowering congruences, **163** (2006), 901–967.

#### Pratelli A.

See: Fusco, Maggi, and Pratelli.

### Preiss, D.

See: Lindenstrauss and Preiss.

# Pujals, E. R.

See: Morales, Pacifico, and Pujals.

# Pujals, E. R. and Sambarino, M.

Homoclinic tangencies and hyperbolicity for surface diffeomorphisms, 151 (2000), 961–1023.

On the dynamics of dominated splitting, 169 (2009), 675-740.

See also: Bonatti, Díaz, and Pujals.

# Putinar, M. and Vasilescu, F.-H.

Solving moment problems by dimensional extension, **149** (1999), 1087–1107.

### Pyber, L.

See: Jaikin-Zapirain and Pyber.

### Quastel, J. and Yau, H.-T.

Lattice gases, large deviations, and the incompressible Navier-Stokes equations, 148 (1998), 51–108.

### Quint, J.-F.

See: Benoist and Quint.

#### Quiroga-Barranco, R.

Isometric actions of simple Lie groups on pseudoRiemannian manifolds, **164** (2006), 941–969.

#### Rabier, P. J.

Ehresmann fibrations and Palais-Smale conditions for morphisms of Finsler manifolds, 146 (1997), 647–691.

#### Rains, E.

Transformations of elliptic hypergeometric integrals, 171 (2010), 169–243. See also: Etingof, Henriques, Kamnitzer, and Rains.

### Rakhmanov, E. A.

Bounds for polynomials with a unit discrete norm, 165 (2007), 55–88.

#### Rallis, S.

See: Aizenbud, Gourevitch, Rallis, and Schiffmann.

See also: Ginzburg, Rallis, and Soudry.

See also: Lapid and Rallis.

# Rajan, C. S.

Unique decomposition of tensor products of irreducible representations of simple algebraic groups, **160** (2004), 683–704.

# Ramadas, T. R.

The 'Harder-Narasimhan trace' and unitarity of the KZ/Hitchin connection: genus 0, **169** (2009), 1–39.

See also: Mehta and Ramadas.

# Ramakrishna, R.

Infinitely ramified Galois representations, 151 (2000), 793–815.

Deforming Galois representations and the conjectures of Serre and Fontaine-Mazur, 156 (2002), 115–154.

# Ramakrishnan, D.

Modularity of the Rankin-Selberg L-series, and multiplicity one for SL(2), **152** (2000), 45–111.

Correction to Modularity of the Rankin-Selberg L-series, and multiplicity one for SL(2), **152** (2000), 903.

# Raphael, P.

See: Merle and Raphael.

### Reeder, M.

See: DeBacker and Reeder.

### Reeves, L.

See: Neumann and Reeves.

# Reichstein, Z.

See: Brosnan, Reichstein, and Vistoli.

### Reid, A. W.

See: Agol, Long, and Reid.

### Reingold, O., Vadhan, S., and Wigderson, A.

Entropy waves, the zig-zag graph product, and new constant-degree expanders, **155** (2002), 157–187.

### Reitzner, M.

See: Ludwig and Reitzner.

### Remling, C.

The absolutely continuous spectrum of Jacobi matrices, 174 (2011), 125–

#### Rempe, L.

See: Rottenfusser, Rückert, Rempe, and Schleicher.

#### Rezk, C.

See: Goerss, Hen, Mahowald, and Rezk.

# Reznikov, A.

See: Bernstein and Reznikov.

# Ricci, F.

See: Müller and Ricci.

# Riche, S.

See: Bezrukavnikov, Mirković, and Rumynin (with an Appendix by Bezrukavnikov and Riche).

# Richter, S.

See: Aleman, Richter, and Sundberg.

# Ringström, H.

Strong cosmic censorship in  $T^3$ -Gowdy spacetimes, **170** (2009), 1181–1240.

# Rips, E.

See: Birget, Ol'shanskii, Rips, and Sapir.

See also: Sapir, Birget, and Rips.

### Rips, E. and Sela, Z.

Cyclic splittings of finitely presented groups and the canonical JSJ decomposition, 146 (1997), 53–109.

# Ritoré, M.

See: Hutchings, Morgan, Ritoré, and Ros.

#### Rivat, J.

See: Mauduit and Rivat.

### Riviere, T. and Tian, G.

The singular set of 1-1 integral currents, 169 (2009), 741-794.

# Rivin, I.

A characterization of ideal polyhedra in hyperbolic 3-space, 143 (1996), 51–70.

### Robertson, N.

See: Chudnovsky, Robertson, Seymour, and Thomas.

# Robertson, N., Seymour, P. D., and Thomas, R.

Permanents, Pfaffian orientations, and even directed circuits, **150** (1999), 929–975.

#### Robins, S.

See: Diaz and Robins.

### Rodnianski, I.

See: Klainerman and Rodnianski.

See also: Lindblad and Rodnianski.

#### Rodnianski, I. and Sterbenz, J.

On the formation of singularities in the critical O(3)  $\sigma$ -model, 172 (2010), 187–242.

# Rodriguez Hertz, F.

Stable ergodicity of certain linear automorphisms of the torus, **162** (2005), 65–107.

See also: Kalinin, Katok, and Rodriguez Hertz.

#### Roesch, P.

On local connectivity for the Julia set of rational maps: Newton's famous example, **168** (2008), 127–174.

# Roessler, D.

See: Maillot and Roessler.

# Rogawski, J.

See: Gelbart, Rogawski, and Soudry.

#### Rohde, S. and Schramm, O.

Basic properties of SLE, 161 (2005), 883-924.

#### Romik, D.

See: Chatterjee, Peres, and Romik.

# Rong, X.

On the fundamental groups of manifolds of positive sectional curvature, **143** (1996), 397–411.

# Ros, A.

See: Hutchings, Morgan, Ritoré, and Ros.

### Rosen, J.

See: Dembo, Peres, Rosen, and Zeitouni.

#### Rosenberg, H.

See: Collin and Rosenberg.

See also: Collin, Hauswirth, and Rosenberg.

See also: Meeks and Rosenberg.

### Rosenberg, J.

See: Guralnick, Rosenberg, and Zieve.

### Rosenschon, A.

See: Barbieri-Viale, Rosenschon, and Saito.

# Rottenfusser, G., Rückert, J., Rempe, L., and Schleicher, D.

Dynamic rays of bounded-type entire functions, 173 (2011), 77–125.

Erratum to print version of Dynamic rays of bounded-type entire functions, 173 (2011), 1185.

# Rouquier, R.

See: Chuang and Rouquier.

# Roush, F. W.

See: Kim and Roush.

# Rovella, A.

See: Pacifico, Rovella, and Viana.

### Roy, D.

Approximation to real numbers by cubic algebraic integers. II, **158** (2003), 1081–1087.

# Roytvarf, N.

See: Briskin, Roytarf, and Yomdin.

### Ru, Min

Holomorphic curves into algebraic varieties, 169 (2009), 255-267.

### Ruan, Z.-J.

See: Effros, Junge, and Ruan.

### Rubin, B.

See: Grinberg and Rubin.

#### Rubin, K.

See: Mazur and Rubin.

See also: Pollack and Rubin.

# Rudelson, M.

Invertibility of random matrices: norm of the inverse, 168 (2008), 575–600.

# Rudelson, M. and Vershynin, R.

Combinatorics of random processes and sections of convex bodies, 164 (2006), 603–648.

# Rudnick, Z.

See: Kurlberg and Rudnick.

### Rudolph, D.

See: Hoffman and Rudolph.

### Rudolph, D. J.

See: Foreman, Rudolph, and Weiss.

### Rudolph, D. J. and Weiss, B.

Entropy and mixing for amenable group actions, 151 (2000), 1119-1150.

#### Rückert, J.

See: Rottenfusser, Rückert, Rempe, and Schleicher.

#### Ruelle, E.

Characterization of Lee-Yang polynomials, 171 (2010), 589–603.

# Rugh, H. H.

On the dimensions of conformal repellers. Randomness and parameter dependency, **168** (2008), 695–748.

Cones and gauges in complex spaces: Spectral gaps and complex Perron-Frobenius theory, **171** (2010), 1707–1752.

### Rumynin, D.

See: Bezrukavnikov, Mirković, and Rumynin.

### Russ, E.

See: Hamel, Nadirashvili, and Russ.

Ryzhik, L.

See: Constantin, Kiselev, Ryzhik, and Zlatoš.

Safonov, M. V. and Yuan, Y.

Doubling properties for second order parabolic equations, **150** (1999), 313–327.

Safra, S.

See: Dinur and Safra.

Sageev, M.

See: Mosher, Sageev, and Whyte.

Sahi, S.

Nonsymmetric Koornwinder polynomials and duality, **150** (1999), 267–282.

Saito, M.

See: Barbieri-Viale, Rosenschon and Saito.

Saito, S. and Sato, K. (with an Appendix by Jannsen, U.)

A finiteness theorem for zero-cycles over p-adic fields, 172 (2010), 1593–1639.

Saito, T.

See: Kato and Saito.

Saji, K., Umehara, M., and Yamada, K.

The geometry of fronts, 169 (2009), 491–529.

Sakaguchi, S.

See: Magnanini and Sakaguchi.

Salamon, D. A.

See: Dostoglou and Salamon.

Salamanca-Riba, S. A. and Vogan, D. A., Jr.

On the classification of unitary representations of reductive Lie groups, 148 (1998), 1067–1133.

Salsa, S.

See: Athanasopoulos, Caffarelli, and Salsa.

Sambarino, M.

See: Pujals and Sambarino.

Sands, D.

See: Graczyk, Sands, and Świątek, G.

Sanders, T.

On Roth's theorem on progressions, 174 (2011), 619–636.

See also: Green and Sanders.

Sapir, M. V.

See: Birget, Ol'shanskii, Rips, and Sapir.

Sapir, M. V., Birget, J.-C., and Rips, E.

Isoperimetric and isodiametric functions of groups, 156 (2002), 345-466.

Sarkar, S.

See: Manolescu, Ozsváth, and Sarkar.

Sarkar, S. and Wang, Jiajun

An algorithm for computing some Heegaard Floer homologies, 171 (2010), 1213–1236.

Sato, K.

See: Saito and Sato (with an Appendix by Jannsen).

Savin, O.

Regularity of flat level sets in phase transitions, 169 (2009), 41-78.

Saxena, N.

See: Agrawal, Kayal, and Saxena.

Schätzle, R.

See: Kuwert and Schätzle.

Schenker, J.

See: Germinet, Klein, and Schenker.

Schiffmann, G.

See: Aizenbud, Gourevitch, Rallis, and Schiffmann.

Schlafly, R.

See: Hass and Schlafly.

Schlag, W.

Stable manifolds for an orbitally unstable nonlinear Schrödinger equation, **169** (2009), 139–227.

See also: Goldstein and Schlag.

Schleicher, D.

See: Rottenfusser, Rückert, Rempe, and Schleicher.

Schlein, B.

See: Erdős, Schlein, and Yau.

Schlichtkrull, H.

See: van den Ban and Schlichtkrull.

Schlichting, M.

See: Cortiñas, Haesemeyer, Schlichting, and Weibel.

Schlickewei, H. P.

See: Evertse, Schlickewei, and Schmidt.

Schlumprecht, S.

See: Gardner, Koldobsky, and Schlumprecht. See also: Haydon, Odell, and Schlumprecht.

Schmeling, J.

See: Barreira, Pesin, and Schmeling.

Schmid, W.

See: Miller and Schmid.

# Schmid, W. and Vilonen, K.

Characteristic cycles and wave front cycles of representations of reductive Lie groups, **151** (2000), 1071–1118.

# Schmidt, W. M.

See: Evertse, Schlickewei, and Schmidt.

#### Schneider, H.-J.

See: Andruskiewitsch and Schneider.

### Schramm, O.

See: Benjamini, Kesten, Peres, and Schramm.

See also: Rohde and Schramm.

### Schramm, O. and Steif, J. E.

Quantitative noise sensitivity and exceptional times for percolation, 171 (2010), 619–672.

#### Schueth, D.

Continuous families of isospectral metrics on simply connected manifolds, 149 (1999), 287–308.

# Schumacher, G. and Tsuji, H.

Quasi-projectivity of moduli spaces of polarized varieties, **159** (2004), 597–639.

# Schwachhöfer, L.

See: Merkulov and Schwachhöfer.

### Schwartz, R.

Ideal triangle groups, dented tori, and numerical analysis, **153** (2001), 533–598.

#### Schwede, S.

The stable homotopy category is rigid, 166 (2007), 837–863.

#### Scorichenko, A.

See: Franjou, Friedlander, Scorichenko, and Suslin.

#### Segal, D.

See: Nikolov and Segal.

# Segev, Y.

On finite homomorphic images of the multiplicative group of a division algebra, 149 (1999), 219–251.

#### Seip, K.

See: Ortega-Cerdà and Seip.

See also: Defant, Frerick, Ortega-Cerdà, Ounaïes, and Seip.

### Seiringer, R.

See: Lieb, Seiringer, and Yngvason.

### Sela, Z.

See: Rips and Sela.

# Seppäläinen, T.

See: Balázs and Seppäläinen.

# Sergeev, A. N. and Veselov, A. P.

Grothendieck rings of basic classical Lie superalgebras, 173 (2011), 663–703.

## Seymour, P. D.

See: Chudnovsky, Robertson, Seymour, and Thomas.

See also: Robertson, Seymour, and Thomas.

#### Sha, J.-P.

A secondary Chern-Euler class, **150** (1999), 1151–1158.

## Shah, N.

See: Eskin, Mozes, and Shah.

#### Shahgholian, H.

See: Caffarelli, Karp, and Shahgholian.

## Shahidi, F.

See: Kim and Shahidi.

See also: Kim and Shahidi (with an Appendix by Bushnell and Henniart).

#### Shalev, A.

Word maps, conjugacy classes, and a noncommutative Waring-type theorem, **170** (2009), 1383–1416.

See also: Belolipetsky, Gelander, Lubotzky, and Shalev.

See also: Larsen, Shaley, and Tiep.

See also: Liebeck and Shalev.

### Shalom, Y.

Rigidity, unitary representations of semisimple groups, and fundamental group of manifolds with rank one transformation group, **152** (2000), 113–182.

See also: Monod and Shalom.

#### Shapira, A.

See: Alon, Shapira, and Sudakov.

### Shapira, U.

A solution to a problem of Cassels and Diophantine properties of cubic numbers, 173 (2011), 543–557.

#### Sharifi, R.

A reciprocity map and the two-variable p-adic L-function, 173 (2011), 251–300.

#### Sheffield, S.

See: Kenyon, Okounkov, and Sheffield.

# Shen, W.

Decay of geometry for unimodal maps: An elementary proof, **163** (2006), 383–404.

See also: Avila, Kahn, Lyubich, and Shen.

See also: Kozlovski, Shen, and van Strien.

Shepherd-Barron, S.

See: Harris, Shepherd-Barron, and Taylor.

Shin, S. W.

Galois representations arising from some compact Shimura varieties, **173** (2011), 1645–1741.

Shishikura, M.

The Hausdorff dimension of the boundary of the Mandelbrot set and Julia sets, 147 (1998), 225–267.

Short, H.

See: Bridson, Howie, Miller, and Short.

Shubin, M.

See: Maz'ya and Shubin.

Sibony, N.

See: Dinh and Sibony.

Sideris, T. C.

Nonresonance and global existence of prestressed nonlinear elastic waves, **151** (2000), 849–874.

Sidoravicius, V.

See: Kesten and Sidoravicius.

Siebert, B.

See: Gross and Siebert.

Siebert, B. and Tian, G.

On the holomorphicity of genus two Lefschetz fibrations, 161 (2005), 959-1020.

Siksek, S.

See: Bugeaud, Mignotte, and Siksek.

Silvestre, L.

See: Caffarelli and Silvestre.

Simányi, S. and Szász, D.

Hard ball systems are completely hyperbolic, 149 (1999), 35-96.

Simon, B.

A new approach to inverse spectral theory, I. Fundamental formalism, **150** (1999), 1029–1057.

See also: Damanik, Killip, and Simon.

See also: Gesztesy and Simon.

See also: Killip and Simon.

Sinai, Ya.

See: Weinan E, Khanin, Mazel, and Sinai.

## Sinclair, A. M.

See: Christensen, Pop, Sinclair, and Smith.

## Singer, A.

See: Hadani and Singer.

## Siu, Y.-T.

Nonexistence of smooth Levi-flat hypersurfaces in complex projective spaces of dimension  $\geq 3$ , **151** (2000), 1217–1243.

∂-Regularity for weakly pseudoconvex domains in complex Hermitian symmetric spaces with respect to invariant metrics, **156** (2002), 595–621.

## Sjöstrand, J.

See: Kenig, Sjöstrand, and Uhlmann.

## Skandalis, G.

See: Kasparov and Skandalis.

# Skinner, C.

See: Ono and Skinner.

## Slaman, T. A. and Soare, R. I.

Extension of embeddings in the computably enumerable degrees, 154 (2001), 1–43.

### Slovák, J.

See: Čap, Slovák, and Souček.

### Smets, D.

See: Bethuel, Orlandi, and Smets.

# Smillie, J.

See: Bedford and Smillie.

#### Smirnov, S.

Conformal invariance in random cluster models. I. Holomorphic fermions in the Ising model, 172 (2010), 1435–1467.

See also: Beliaev and Smirnov.

#### Smith, H. and Tataru, D.

Sharp local well-posedness results for the nonlinear wave equation, 162 (2005), 291–366.

### Smith, J. H.

See: Adem and Smith.

See also: Hopkins and Smith.

## Smith, R. R.

Sec: Christensen, Pop, Sinclair, and Smith.

# Śniady, P.

See: Féray and Śniady.

# Soare, R. I.

See: Slaman and Soare.

Soares, M. G.

Projective varieties invariant by one-dimensional foliations, **152** (2000), 369–382.

Sodin, S.

The spectral edge of some random band matrices, 172 (2010), 2223–2251.

Solotar, A.

See: Herscovich and Solotar.

Solovej, J. P.

The ionization conjecture in Hartree-Fock theory, 158 (2003), 509-576.

Sols, I.

See: Cilleruelo and Sols.

See also: Gómez and Sols.

Solynin, A. Yu. and Zalgaller, V. A.

An isoperimetric inequality for logarithmic capacity of polygons, **159** (2004), 277–303.

Soshnikov, A.

Level spacings distribution for large random matrices: Gaussian fluctuations, 148 (1998), 573–617.

Souček, V.

See: Čap, Slovák, and Souček.

Soudry, D.

See: Gelbart, Rogawski, and Soudry.

See also: Ginzburg, Rallis, and Soudry.

See also: Jiang and Soudry.

Soundararajan, K.

Nonvanishing of quadratic Dirichlet *L*-functions at  $s = \frac{1}{2}$ , **152** (2000), 447–488.

Moments of the Riemann zeta function, 170 (2009), 981-993.

Weak subconvexity for central values of L-functions, 172 (2010), 1469–1498.

Quantum unique ergodicity for  $SL_2(\mathbb{Z})\backslash \mathbb{H}$ , 172 (2010), 1529–1538.

See also: Granville and Soundararajan.

See also: Holowinsky and Soundararajan.

Spatzier, R. J.

See: Goetze and Spatzier.

Spira, M.

See: Mináč and Spira.

Springborn, B. A.

See: Bobenko, Hoffmann, and Springborn.

Srinivas, V.

See: Krishna and Srinivas.

#### Staffilani, G.

See: Colliander, Keel, Staffilani, Takaoka, and Tao.

## Stanton, R.

See: Krötz and Stanton.

## Steenbrink, J.

See: Némethi and Steenbrink.

## Steif, J. E.

See: Schramm and Steif.

# Stein, E. M.

See: Christ, Nagel, Stein, and Wainger.

See also: Magyar, Stein, and Wainger.

See also: Nagel and Stein.

See also: Nevo and Stein.

## Stensönes, B.

Fatou-Bieberbach domains with  $C^{\infty}$ -smooth boundary, **145** (1997), 365–377.

## Sterbenz, J.

See: Rodnianski and Sterbenz.

## Stern, R. J.

See: Fintushel and Stern.

#### Stoll, M.

See: Poonen and Stoll.

## Stolovitch, L.

Normalisation holomorphe d'algèbres de type Cartan de champs de vecteurs holomorphes singuliers, **161** (2005), 589-612.

## Strömbergsson, A.

See: Marklof and Strömbergsson.

### Sturm, J.

See: Phong and Sturm.

## Sudakov, B.

See: Alon, Shapira, and Sudakov.

# Sundberg, C.

See: Aleman, Richter, and Sundberg.

### Suresh, V.

See: Parimala and Suresh.

### Suslin, A.

See: Franjou, Friedlander, Scorichenko, and Suslin.

### Šverák, V.

See: Müller and Šverák.

## Światek, G.

See: Graczyk and Światek.

See also: Graczyk, Sands, and Świątek.

# Symonds, P.

On the Castelnuovo-Mumford regularity of rings of polynomial invariants, 174 (2011), 499–517.

#### Szabó, Z.

See: Kronheimer, Mrowka, Ozsváth, and Szábo.

See also: Ozsváth and Szabó.

# Szabó, Z. I.

Isospectral pairs of metrics on balls, spheres, and other manifolds with different local geometries, **154** (2001), 437–475.

A cornucopia of isospectral pairs of metrics on spheres with different local geometries, **161** (2005), 343–395.

## Szarek, S. J.

See: Artstein, Milman, and Szarek.

### Szász, D.

See: Simányi and Szász.

## Székelyhidi, L.

See: De Lellis and Székelyhidi.

# Szemerédi, E., and Vu, V. H.

Finite and infinite arithmetic progressions in sumsets, 163 (2006), 1-35.

# Sznitman, A.-S.

Vacant set of random interlacements and percolation, 171 (2010), 2039–2087.

#### Takaoka, H.

See: Colliander, Keel, Staffilani, Takaoka, and Tao.

#### Takeda, S.

See: Gan and Takeda.

### Talagrand, M.

The Parisi formula, 163 (2006), 221-263.

Maharam's problem, 168 (2008), 981-1009.

# Tao, T.

See: Green and Tao.

See also: Katz, Laba, and Tao.

See also: Colliander, Keel, Staffilani, Takaoka, and Tao.

#### Tao, T. and Vu, V. H.

Inverse Littlewood-Offord theorems and the condition number of random discrete matrices, **169** (2009), 595–632.

# Tarasov, V.

See: Mukhin, Tarasov, and Varchenko.

#### Tartakoff, D.

See: Kohn (with an Appendix by Derridj and Tartakoff).

## Tataru, D.

See: Bejenaru, Ionescu, Kenig, and Tataru.

See also: Smith and Tataru.

## Taylor, M. J.

See: Chinburg, Erez, Pappas, and Taylor.

## Taylor, R.

See: Buzzard and Taylor.

See also: Chinburg, Pappas, and Taylor.

See also: Harris, Shepherd-Barron, and Taylor.

## Tchamitchian, Ph.

See: Auscher, Hofmann, Lacey, McIntosh, and Tchamitchian.

## Teichner, P.

See: Cochran, Orr, and Teichner.

### Teleman, A.

Instantons and curves on class VII surfaces, 172 (2010), 1749–1804.

## Teleman, C.

The quantization conjecture revisited, 151 (2000), 1-43.

See also: Fishel, Grojnowski, and Teleman.

See also: Freed, Hopkins, and Teleman.

# Teleman, C. and Woodward, C. T.

The index formula for the moduli of G-bundles on a curve, 170 (2009), 495-527.

## Thakur, D. S.

Transcendence of gamma values for  $\mathbb{F}_q[T]$ , 144 (1996), 181–188.

## Thévenaz, J.

See: Carlson and Thévenaz.

#### Thiele, C.

A uniform estimate, 156 (2002), 519-563.

See also: Lacey and Thiele.

## Thomas, J.-C.

See: Felix, Halperin, and Thomas.

#### Thomas, R.

See: Chudnovsky, Robertson, Seymour, and Thomas.

See also: Robertson, Seymour, and Thomas.

## Thorbjørnsen, S.

See: Haagerup and Thorbjørnsen.

# Thunder, J. L.

Decomposable form inequalities, 153 (2001), 767–804.

## Thurston, N.

See: Gabai, Meyerhoff, and Thurston.

#### Tian, G.

Gauge theory and calibrated geometry, I, 151 (2000), 193-268.

See also: Riviere and Tian. See also: Siebert and Tian.

### Tian, Ye

See: Diaconu and Tian.

#### Tian, Yichao

Canonical subgroups of Barsotti-Tate groups, 172 (2010), 955–988.

# Tiep, P. H.

See: Guralnick and Tiep.

See also: Larsen, Shalev, and Tiep.

## Titi, E. S.

See: Cao and Titi.

## Tkachenko, V.

Spectra of non-selfadjoint Hill's operators and a class of Riemann surfaces, **143** (1996), 181–231.

#### Tolsa, X.

Bilipschitz maps, analytic capacity, and the Cauchy integral, 162 (2005), 1243-1304.

### Toms, A. S.

On the classification problem for nuclear  $C^*$ -algebras, 167 (2008), 1029–1044.

# Topping, P.

Repulsion and quantization in almost-harmonic maps, and asymptotics of the harmonic map flow, **159** (2004), 465–534.

#### Toro, T.

See: Kenig and Toro.

#### Török, A.

See: Field, Melbourne, and Török.

### Totaro, B.

Chern numbers for singular varieties and elliptic homology, **151** (2000), 757–791.

#### Tóth, A.

See: Duke, Imamoglu, and Tóth.

#### Tovena, F.

See: Abate, Bracci, and Tovena.

## Trudinger, N. S. and Wang, X.-J.

Hessian measures II, 150 (1999), 579–604.

Boundary regularity for the Monge-Ampère and affine maximal surface equations, 167 (2008), 993–1028.

## Tsuji, H.

See: Schumacher and Tsuji.

## Tuschmann, W.

See: Kapovitch, Petrunin, and Tuschmann.

## Tymchatyn, E. D.

See: Oversteegen and Tymchatyn.

# Uhlmann, G.

See: Kenig, Sjöstrand, and Uhlmann.

See also: Pestov and Uhlmann.

## Ulcigrai, C.

Absence of mixing in area-preserving flows on surfaces, 173 (2011), 1743–1778.

#### Ullmo, E.

Positivité et discrétion des points algébriques des courbes, 147 (1998), 167–179.

Corrigendum: Positivité et discrétion des points algébriques des courbes, 147 (1998), 787.

See also: Clozel and Ullmo.

### Ulmer, D.

Elliptic curves with large rank over function fields, 155 (2002), 295-315.

## Umehara, M.

See: Saji, Umehara, and Yamada.

#### Urban, E.

Eigenvarieties for reductive groups, 174 (2011), 1685-1784.

#### Vadhan, S.

See: Reingold, Vadhan, and Wigderson.

### Vakil, R.

A geometric Littlewood-Richardson rule, 164 (2006), 371–422.

Schubert induction, 164 (2006), 489-512.

# van den Ban, E. P. and Schlichtkrull, H.

The most continuous part of the Plancherel decomposition for a reductive symmetric space, 145 (1997), 267–364.

A Paley-Wiener theorem for reductive symmetric spaces, **164** (2006), 879–909.

# van den Berg, M., Bolthausen, E., and den Hollander, F.

Moderate deviations for the volume of the Wiener sausage, 153 (2001), 355-406.

On the volume of the intersection of two Wiener sausages, 159 (2004), 741-782.

## van Erp, E.

The Atiyah-Singer formula for subelliptic operators on contact manifolds. Part I, **171** (2010), 1647–1681.

The Atiyah-Singer formula for subelliptic operators on contact manifolds. Part II, 171 (2010), 1683–1706.

## Vanlessen, M.

See: Claeys, Kuijlaars, and Vanlessen.

## van Moerbeke, P.

See: Adler and van Moerbeke.

## van Strien, S.

See: Bruin, Keller, Nowicki, and van Strien.

See also: Kozlovski and van Strien.

See also: Kozlovski, Shen, and van Strien.

See also: Levin and van Strien.

### Varchenko, A.

See: Mukhin, Tarasov, and Varchenko.

## Vaserstein, L.

Polynomial parametrization for the solutions of Diophantine equations and arithmetic groups, **171** (2010), 979–1009.

## Vasilescu, F.-H.

See: Putinar and Vasilescu.

## Vasseur, A.

See: Caffarelli and Vasseur.

#### Vasy, A.

Propagation of singularities for the wave equation on manifolds with corners, **168** (2008), 749–812.

## Vaughan, R. C.

See: Beresnevich, Dickinson, and Velani (with an Appendix by Vaughan).

## Veech, W. A.

Siegel measures, 148 (1998), 895-944.

## Velani, S.

See: Badziahin, Pollington, and Velani.

See also: Beresnevich, Dickinson, and Velani (with an Appendix by Vaughan).

See also: Beresnevich and Velani.

## Venkatesh, A.

Sparse equidistribution problems, period bounds and subconvexity, 172 (2010), 989–1094.

See also: Einsiedler, Lindenstrauss, Michel, and Venkatesh.

See also: Ellenberg and Venkatesh.

# Verbitsky, I. E.

See: Phuc and Verbitsky.

# Verdera, J.

See: Mateu, Orobitg, and Verdera.

See also: Mattila, Melnikov, and Verdera.

## Vergne, M.

A remark on the convolution with the box spline, 174 (2011), 607–618.

## Verjovsky, A.

See: Meersseman and Verjovsky.

### Vershynin, R.

See: Rudelson and Vershynin.

#### Veselov, A. P.

See: Sergeev and Veselov.

## Viaclovsky, J.

See: Gursky and Viaclovsky.

### Viana, M.

Almost all cocycles over any hyperbolic system have nonvanishing Lyapunov exponents, **167** (2008), 643–680.

See also: Bochi and Viana.

See also: Pacifico, Rovella, and Viana.

## Vidussi, S.

See: Friedl and Vidussi.

#### Viehweg, E.

Compactifications of smooth families and of moduli spaces of polarized manifolds, 172 (2010), 809–910.

#### Villani, C.

See: Lott and Villani.

#### Vilonen, K.

See: Frenkel, Gaitsgory, and Vilonen.

See also: Mirković and Vilonen.

See also: Schmid and Vilonen.

#### Viruel, A.

See: Andersen, Grodal, Møller, and Viruel.

#### Vishik, A.

See: Orlov, Vishik, and Voevodsky.

### Vistoli, A.

See: Brosnan, Reichstein, and Vistoli.

### Voevodsky, V.

On motivic cohomology with Z/l-coefficients, 174 (2011), 401–438.

See also: Orlov, Vishik, and Voevodsky.

# Vogan, D. A., Jr.

On the classification of unitary representations of reductive Lie groups, 148 (1998), 1067–1133.

See also: Salamanca-Riba and Vogan.

## Vogel, T.

Existence of Engel structures, 169 (2009), 79-137.

#### Voisin, C.

Some results on Green's higher Abel-Jacobi map, 149 (1999), 451-473.

### Voll, C.

Functional equations for zeta functions of groups and rings, 172 (2010), 1181–1218.

## Voloch, J. F.

See: Poonen and Voloch.

## Vu, V. H.

See: Szemerédi and Vu.

See also: Tao and Vu.

## Wainger, S.

See: Christ, Nagel, Stein, and Wainger.

See also: Magyar, Stein, and Wainger.

### Wan, D.

Meromorphic continuation of L-functions of p-adic representations, 143 (1996), 469–498.

Dwork's conjecture on unit root zeta functions, 150 (1999), 867–927.

## Wang, C.-L.

See: Lee, Lin, and Wang.

See also: Lin and Wang.

### Wang, G.

See: Ash and Wang.

## Wang, Jiajun

See: Sarkar and Wang.

## Wang, Jiaping

See: Li and Wang.

### Wang, Q. and Young, L.-S.

Toward a theory of rank one attractors, 167 (2008), 349-480.

#### Wang, X.-J.

Convex solutions to the mean curvature flow, 173 (2011), 1185–1239.

See also: Trudinger and Wang.

### Weber, M., Hoffman, D., and Wolf, M.

An embedded genus-one helicoid, 169 (2009), 347-448.

## Weber, M. and Wolf, M.

Teichmüller theory and handle addition for minimal surfaces, **156** (2002), 713–795.

### Wei, J.

See: del Pino, Kowalczyk, and Wei.

## Weibel, C.

See: Cortiñas, Haesemeyer, Schlichting, and Weibel.

## Weinberger, S.

See: Bryant, Ferry, Mio, and Weinberger.

See also: Dranishnikov, Ferry, and Weinberger.

See also: Farb and Weinberger.

See also: Farber and Weinberger.

#### Weiss, B.

See: Foreman, Rudolph, and Weiss.

See also: Rudolph and Weiss.

## Weiss, M.

See: Madsen and Weiss.

## Wermer, J.

See: Alexander and Wermer.

### Werner, W.

See: Burdzy and Werner.

#### White, B.

Rectifiability of flat chains, 150 (1999), 165-184.

A local regularity theorem for mean curvature flow, **161** (2005), 1487–1519.

See also: Ekholm, White, and Wienholtz.

### Whyte, K.

See: Mosher, Sageev, and Whyte.

### Wienhard, A.

See: Burger, Iozzi, and Wienhard.

### Wienholtz, D.

See: Ekholm, White, and Wienholtz.

## Wigderson, A.

See: Reingold, Vadhan, and Wigderson.

# Wilking, B.

Positively curved manifolds with symmetry, 163 (2006), 607-688.

See also: Böhm and Wilking.

## Wilkinson, A.

See: Burns and Wilkinson.

### Willenbring, J.

See: Enright and Willenbring.

Wintenberger, J.-P.

See: Khare and Wintenberger.

Woerdeman, H. J.

See: Geronimo and Woerdemann.

Wolf, M.

See: Weber, Hoffman, and Wolf.

See also: Weber and Wolf.

Wolff, T.

A sharp bilinear cone restriction estimate, 153 (2001), 661–698.

Woodward, C. T.

See: Teleman and Woodward.

Wooley, T. D.

See: Brüdern and Wooley.

Wunsch, J.

See: Hassell and Wunsch.

Wysocki, K.

See: Hofer, Wysocki, and Zehnder.

Yafaev, A.

See: Edixhoven and Yafaev.

Yamada, K.

See: Saji, Umehara, and Yamada.

Yang, P. C.

See: Chang, Gursky, and Yang.

Yau, H.-T.

 $(\log t)^2/3$  law of the two dimensional asymmetric simple exclusion process,

**159** (2004), 377–405.

See also: Erdős, Schlein, and Yau.

See also: Quastel and Yau.

Yau, S. S.-T.

See: Luk and Yau.

Yıldırım, C. Y.

See: Goldston, Pintz, and Yıldırım, C. Y.

Yngvason, J.

See: Lieb, Seiringer, and Yngvason.

Yoccoz, J.-C.

See: Le Calvez and Yoccoz.

See also: Moreira and Yoccoz.

Yomdin, Y.

See: Briskin, Roytvarf, and Yomdin.

Yoshida, T.

An abelianization of the SU(2) WZW model, 164 (2006), 1-49.

## Young, L.-S.

Statistical properties of dynamical systems with some hyperbolicity, 147 (1998), 585–650.

See also: Wang and Young.

## Young, M. P.

The fourth moment of Dirichlet L-functions, 173 (2011), 1–50.

## Yu, G.

The Novikov conjecture for groups with finite asymptotic dimension, 147 (1998), 325–355.

## Yu, J.

Analytic homomorphisms into Drinfeld modules, 145 (1997), 215–233.

## Yu, J.-K.

See: Chai and Yu (with an Appendix by de Shalit).

## Yuan, Y.

See: Safonov and Yuan.

## Yue, C.

Dimension and rigidity of quasi-Fuchsian representations, 143 (1996), 331-355.

# Zagier, D.

See: Lewis and Zagier.

### Zakeri, S.

See: Petersen and Zakeri.

### Zalgaller, V. A.

See: Solynin and Zalgaller.

### Zannier, U.

A proof of Pisot's d<sup>th</sup> root conjecture, 151 (2000), 375–383.

See also: Corvaja and Zannier.

See also: Dembo, Peres, Rosen, and Zeitouni.

### Zehnder, E.

See: Hofer, Wysocki, and Zehnder.

## Zeitouni, I.

See: Dembo, Peres, Rosen, and Zeitouni.

See also: Guionnet, Krishnapur, and Zeitouni.

### Zelditch, S.

Inverse spectral problem for analytic domains, II:  $\mathbb{Z}_2$ -symmetric domains, **170** (2009), 205–269.

### Zelevinsky, A.

See: Fomin and Zelevinsky.

### Zhang, G.

A positive solution to the Busemann-Petty problem in  $\mathbb{R}^4$ , **149** (1999), 535–543.

Zhang, S.-W.

Equidistribution of small points on abelian varieties, 147 (1998), 159–165. Heights of Heegner points on Shimura curves, 153 (2001), 27–147.

Zhang, X.

See: Boyer and Zhang.

Zehnder, E.

See: Hofer, Wysocki, and Zehnder.

Zhong, X.

See: Keith and Zhong.

Zhou, X.

See: Deift, Its, and Zhou.

Zhu, C.

See: Long and Zhu.

Zieve, M. E.

See: Guralnick, Rosenberg, and Zieve.

See also: Guralnick and Zieve.

Ziller, W.

See: Grove and Ziller.

Zimmer, R.

See: Nevo and Zimmer.

Zlatoš, A.

See: Constantin, Kiselev, Ryzhik, and Zlatoš.

Zung, N. T.

Convergence versus integrability in Birkhoff normal form, 161 (2005), 141–156.

Zworski, M.

See: Guillopé and Zworski.

